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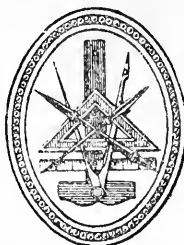
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## EXAMINATION PAPERS.

The Examination Papers for 1915-16 may be obtained at the prices undernoted from the Registrar, Glasgow University, or from Messrs. James MacLehose and Sons, 61 St. Vincent Street, Glasgow.

- I. Preliminary Examination Papers in Arts, Science, and Medicine. (6d. ; per post, 8d.)
- II. Bursary Examination Papers. (6d. ; per post, 7d.)
- III. Examination Papers for Degree of M.A. (6d. ; per post, 11d.)
- IV. Examination Papers for Degree of B.Sc. (6d. ; per post, 9d.)
- V. Professional Examinations for Degrees in Medicine and Surgery. (6d. ; per post, 7d.)
- VI. Examination Papers for Degrees of LL.B. and B.L. (6d. ; per post, 7d.)
- VII. Examination Papers for Degree of B.D. (6d. ; per post, 7d.)

## AUGUST 1916.

1	Tu	
2	W	
3	Th	
4	F	
5	S	
6	S	
7	M	
8	Tu	
9	W	
10	Th	
11	F	
12	S	
13	S	
14	M	
15	Tu	
16	W	
17	Th	
18	F	
19	S	
20	S	
21	M	{ Names of Candidates for Preliminary Examinations in Arts, Science, and Medicine, for Degree Examinations in Arts, Science, Medicine, and Law, and for Scholarships, etc., to be given in to the Registrar. ( <i>First Entry Day.</i> )
22	Tu	
23	W	
24	Th	
25	F	{ Names of Candidates for Preliminary Examinations in Arts, Science, and Medicine to be given in to the Registrar. ( <i>Last Entry Day.</i> ) Names of Candidates for Final Professional Examination in Medicine to be given in to the Registrar. ( <i>Last Entry Day.</i> )
26	S	
27	S	
28	M	
29	Tu	{ Names of Candidates for Examinations for Degrees in Arts and Law, and for Scholarships, etc., to be given in to the Registrar. ( <i>Last Entry Day.</i> )

## AUGUST 1916.

30	W
31	Th

## SEPTEMBER 1916.

1	F	Names of Candidates for Ferguson Scholarships, and for A. and B. Stewart Bursaries, to be given in before this day. Names of Candidates for First, Second, and Third Professional Examinations in Medicine, for B.Sc. Examinations in Science, and for Certificate in Engineering Science, to be given in to the Registrar. Names of Candidates to be given in to the Registrar between 30th August and 1st September for the M.D. and Ch.M. Clinical Examinations. ( <i>Last Entry Day.</i> )
2	S	
3	S	
4	M	
5	Tu	
6	W	
7	Th	
8	F	
9	S	
10	S	
11	M	
12	Tu	
13	W	
14	Th	Examination for Macdonald Bursary (if vacant).
15	F	Preliminary Examinations in Arts, Science, and Medicine begin.
16	S	
17	S	
18	M	
19	Tu	
20	W	
21	Th	Degree Examinations.
22	F	Preliminary Examinations end. Degree Examinations. Degree Examinations. Clinical Examinations for Degrees of M.D. and Ch.M.
23	S	
24	S	



## SEPTEMBER 1916.

25	M	{ Names of Candidates for Degree of B.D. and for Bursaries, etc., in Theology to be given in to the Registrar. ( <i>First Entry Day.</i> ) Clinical Examinations for Degrees of M.D. and Ch.M. Degree Examinations.
26	Tu	Degree Examinations.
27	W	Degree Examinations.
28	Th	{ Degree Examinations. Meeting of Classical and Modern Languages Committees of Joint Board.
29	F	{ Meeting of Joint Board. Degree Examinations.
30	S	{ Applications for admission as Research Students to be lodged with the Clerk of Senate. Meeting of Joint Board. Degree Examinations.

## OCTOBER 1916.

1	S	
2	M	{ Names of Candidates for Degree of B.D. and for Bursaries, etc., in Theology to be given in to the Registrar. ( <i>Last Entry Day.</i> ) Degree Examinations.
3	Tu	Degree Examinations.
4	W	Degree Examinations.
5	Th	{ Meeting of University Court. Appointment of Committees and of Representatives at Charitable and other Boards. Degree Examinations. Results of Preliminary Examinations issued.
6	F	Degree Examinations.
7	S	Degree Examinations.
8	S	
9	M	{ Graduation in Medicine. Degree Examinations.
10	Tu	Degree Examinations.
11	W	Degree Examinations.
12	Th	{ Degree Examinations. Meeting of Senate. Election of Senate Members of Library Committee, Museums Committee, and Observatory and Laboratories Committee. Appointment of Committees on Honorary Degrees, on Prize Essays, and on External Examinations and Appointments.
13	F	{ Examinations for Bursaries in Theology. Matriculation and Enrolment begin.
14	S	Examinations for Bursaries in Theology.
15	S	
16	M	{ Classes open in Arts, Science, Medicine, and Theology. Meeting of Standing Committee on University Union.

## OCTOBER 1916.

17	Tu	Law Classes open.
18	W	
19	Th	
20	F	{ Notice of Business to be sent to the several Conveners by Members of the Boards of Studies in Arts, Science or Medicine.
21	S	
22	S	
23	M	
24	Tu	
25	W	(Last Wednesday.)—Meeting of General Council.
26	Th	Close of Matriculation.
27	F	
28	S	
29	S	
30	M	Last day for giving in Prize Essays.
31	Tu	{ Close of Enrolment in Classes. Names of Candidates for Diploma in Education to be given in to the Registrar.

## NOVEMBER 1916.

1	W	
2	Th	{ Meeting of Senate. Snell Examiners appointed. Representatives at Charitable and other Boards elected.
3	F	
4	S	
5	S	
6	M	
7	Tu	
8	W	
9	Th	Meeting of University Court.
10	F	Examination for Diploma in Education.
11	S	Graduation.
12	S	
13	M	
14	Tu	
15	W	
16	Th	{ Meeting of Senate. First Statutory Meeting, S.R.C.
17	F	
18	S	Graduation.
19	S	

## NOVEMBER 1916.

20	M	
21	Tu	
22	W	
23	Th	
24	F	
25	S	
26	S	
27	M	
28	Tu	
29	W	
30	Th	

## DECEMBER 1916.

1	F	
2	S	
3	S	
4	M	
5	Tu	
6	W	
7	Th	Meeting of Senate. Widows' Fund Report made out.
8	F	
9	S	
10	S	
11	M	
12	Tu	
13	W	
14	Th	{ Second Statutory Meeting, S.R.C. Meeting of University Court. Appointment of Director of Samaritan Hospital and Director of Eye Infirmary.
15	F	
16	S	
17	S	
18	M	
19	Tu	
20	W	
21	Th	
22	F	Classes close in Arts, Science, Medicine, and Theology.
23	S	Law Classes close.
24	S	
25	M	Commencement of Christmas Vacation.
26	Tu	
27	W	
28	Th	
29	F	
30	S	
31	S	

## JANUARY 1917.

1	M	
2	Tu	
3	W	
4	Th	
5	F	
6	S	
7	S	
8	M	
9	Tu	{ Classes re-open. Enrolment in Classes which begin after Christmas Vacation.
10	W	
11	Th	Meeting of University Court.
12	F	{ Notice of Business to be sent to the several Conveners by Members of the Boards of Studies in Arts, Science or Medicine.
13	S	{ Applications for Higher Degrees in Arts and Science (D.Litt., D.Phil., and D.Sc.) to be sent in to Clerk of Senate.
14	S	
15	M	
16	Tu	
17	W	Meeting of Prize Essays Committee.
18	Th	{ Meeting of Senate. Intimation from the several Faculties of the Election of Deans. Appointment of Principal and Deans Committee and Conversazione Committee. Appointment of Boards of Studies. Vacancies in Bursaries ascertained.
19	F	Close of Enrolment in Classes which begin after Christmas Vacation.
20	S	
21	S	
22	M	
23	Tu	
24	W	
25	Th	Third Statutory Meeting, S.R.C.
26	F	
27	S	
28	S	
29	M	Holiday (Monday after last Friday of January).
30	Tu	Holiday (for Candlemas).
31	W	

## FEBRUARY 1917.

1	Th	Theses for M.D. (Old Regulations only) to be given in to the Registrar.
2	F	
3	S	
4	S	
5	M	
6	Tu	
7	W	
8	Th	{ Meeting of Senate. Report by Faculty of Arts on Logan Medal and Herkless Prize.
9	F	
10	S	
11	S	{ Names of Candidates for Preliminary Examinations in Arts, Science, and Medicine, and for Final Professional Examination in Medicine to be given in to the Registrar. ( <i>First Entry Day</i> .) Names of Candidates to be given in to the Registrar for the M.D. and Ch.M. Clinical Examinations ( <i>First Entry Day</i> ).
12	M	
13	Tu	
14	W	
15	Th	Meeting of University Court.
16	F	{ Names of Candidates for Final Professional Examination in Medicine to be given in to the Registrar. ( <i>Last Entry Day</i> .) Names of Candidates to be given in to the Registrar for the M.D. and Ch.M. Clinical Examinations. ( <i>Last Entry Day</i> .) <sup>2</sup>
17	S	
18	S	
19	M	
20	Tu	
21	W	
22	Th	
23	F	{ Names of Candidates for Preliminary Examinations in Arts, Science, and Medicine, to be given in to the Registrar. ( <i>Last Entry Day</i> .)
24	S	
25	S	
26	M	{ Names of Candidates for Degree Examinations in Arts, Science, Medicine, Law, and Theology, and for Scholarships, etc., to be given in to the Registrar. ( <i>First Entry Day</i> .) Holiday (Monday after last Friday of February).
27	Tu	
28	W	

## MARCH 1917.

1	Th	{ Meeting of Senate. Reports of Committees on Honorary Degrees. Resolution to elect Commissioner to General Assembly. Schemes of Courses in Arts, Science, and Medicine to be sent by Professors and Lecturers to Conveners of Boards of Studies.
2	F	{ Names of Candidates for Examinations for Degrees in Arts (two-term subjects), and Law, and for Degree of B.D., to be given in to the Registrar. ( <i>Last Entry Day.</i> )
3	S	
4	S	
5	M	{ Names of Candidates for First, Second, and Third Professional Examinations in Medicine, for B.Sc. Examinations in Science, and for Certificate in Engineering Science, to be given in to the Registrar. ( <i>Last Entry Day.</i> )
6	Tu	
7	W	
8	Th	Meeting of University Court.
9	F	
10	S	
11	S	
12	M	
13	Tu	
14	W	
15	Th	Fourth Statutory Meeting, S.R.C.
16	F	Preliminary Examinations in Arts, Science, and Medicine begin.
17	S	
18	S	
19	M	
20	Tu	
21	W	Meeting of Standing Committee on University Union.
22	Th	{ Classes Close. Meeting of Senate. Election of Commissioner to General Assembly. Nomination to 1851 Exhibition Research Scholarship. Degree Examinations.
23	F	{ Preliminary Examinations end. Degree Examinations.
24	S	{ Degree Examinations. Clinical Examinations for Degrees of M.D. and Ch.M.
25	S	
26	M	{ Degree Examinations. Clinical Examinations for Degrees of M.D. and Ch.M.
27	Tu	Degree Examinations.
28	W	Degree Examinations.
29	T	{ Degree Examinations. Returns from Teachers of Elocution.
30	F	Degree Examinations.
31	S	Degree Examinations.

## APRIL 1917.

1	S	
2	M	Degree Examinations.
3	Tu	{ Degree Examinations. Meeting of Classical and Modern Languages Committees of Joint Board.
4	W	Meeting of Joint Board.
5	Th	Meeting of Joint Board.
6	F	Last day for returning Books to Library.
7	S	
8	S	
9	M	
10	Tu	
11	W	Results of Preliminary Examinations issued.
12	Th	
13	F	
14	S	
15	S	
16	M	
17	Tu	
18	W	Library re-opened.
19	Th	
20	F	
21	S	
22	S	
23	M	
24	Tu	{ Graduation. Distribution of University Prizes. Meeting of Senate. Election of Clerk of Senate. Election of Lay Trustees of Widows' Fund.
25	W	{ Summer Matriculation and Enrolment begin. Classes open in Science, Medicine, and Law. Arts Classes re-open. (Last Wednesday).—Meeting of General Council.
26	Th	{ Meeting of University Court. Theses for M.D. to be given in to the Registrar. ( <i>First Entry Day.</i> )
27	F	{ Notice of Business to be sent to the several Conveners by Members of the Boards of Studies in Arts, Science or Medicine.
28	S	
29	S	
30	M	

## MAY 1917.

1	Tu	{ Names of Competitors for Bursaries to be given in to the Registrar. ( <i>First Entry Day.</i> ) Theses for M.D. to be given in to the Registrar. <sup>1</sup> ( <i>Last Entry Day.</i> )
2	W	
3	Th	Close of Matriculation and Enrolment in Classes. Meeting of Senate.
4	F	
5	S	
6	S	
7	M	{ Names of Candidates for Degree Examinations to be given in to the Registrar. ( <i>First Entry Day.</i> )
8	Tu	
9	W	
10	Th	Meeting of University Court.
11	F	{ Names of Candidates for Degree Examinations to be given in to the Registrar. ( <i>Last Entry Day.</i> )
12	S	{ Last day for Professors sending in names of Assistants for 1917-18 to Secretary of University Court.
13	S	
14	M	
15	Tu	{ Names of Competitors for Bursarie to be given in to the Registrar. ( <i>Last Entry Day.</i> )
16	W	
17	Th	Meeting of Senate.
18	F	
19	S	
20	S	
21	M	Holiday—Monday after Penult Friday of May.
22	Tu	
23	W	
24	Th	
25	F	Arts Classes close.
26	S	Degree Examinations.
27	S	
28	M	Degree Examinations.
29	Tu	Degree Examinations.
30	W	Degree Examinations.
31	Th	Degree Examinations.

## JUNE 1917.

1	F	Degree Examinations.
2	S	Degree Examinations.
3	S	
4	M	Degree Examinations.
5	Tu	Degree Examinations.

<sup>1</sup> This is the last date in the year 1917 on which Theses for M.D. can be lodged.



## JUNE 1917.

6	W	Degree Examinations.
7	Th	Degree Examinations.
8	F	Names of Candidates for Diploma in Education to be given in to the Registrar.
9	S	Meeting of University Court. Appointment of Lecturers, and of University Assistants.
10	S	Degree Examinations.
11	M	Degree Examinations.
12	Tu	Bursary Examination begins.
13	W	Degree Examinations.
14	Th	Degree Examinations.
15	F	
16	S	
17	S	
18	M	
19	Tu	
20	W	
21	Th	
22	F	Examination or Diploma in Education.
23	S	
24	S	
25	M	Meeting of Senate. Graduation in Arts. Distribution of Medals and Prizes in Arts
26	Tu	
27	W	
28	Th	
29	F	
30	S	

## JULY 1917.

1	S	
2	M	
3	Tu	
4	W	Classes in Science, Medicine, and Law close.
5	Th	Meeting of University Court. Appointment of Preliminary Examiners and Members of Joint Board for next year.
6	F	
7	S	
8	S	
9	M	
10	Tu	
11	W	
12	Th	
13	F	
14	S	
15	S	
16	M	
17	Tu	
18	W	
19	Th	
20	F	
21	S	
22	S	
23	M	
24	Tu	
25	W	
26	Th	
27	F	
28	S	
29	S	
30	M	
31	Tu	

## UNIVERSITY OFFICERS.

	Elected.	Electors.
<i>Chancellor</i> —THE EARL OF ROSEBURY AND MIDLOTHIAN, K.G., K.T., - - -	1908	General Council.
<i>Vice-Chancellor</i> —SIR DONALD MACALISTER, K.C.B., M.A., M.D., D.C.L., LL.D., D.Sc., - - -	1908	Chancellor.
<i>Rector</i> —M. RAYMOND POINCARÉ, President of the French Republic, - - -	1914	{ Matriculated Students.
<i>Principal</i> —SIR DONALD MACALISTER, K.C.B., M.A., M.D., D.C.L., LL.D., D.Sc., - - -	1907	Crown.
<i>Dean of Faculties</i> —EMERITUS PROFESSOR WILLIAM STEWART, D.D., LL.D., - - -	1911	Senate.
<i>Parliamentary Representative</i> —SIR HENRY CRAIK, K.C.B., LL.D., - - -	1906	General Council.

## University Court.

THE RECTOR, <i>ex officio</i> .	THE PRINCIPAL, <i>ex officio</i> .
THE LORD PROVOST OF GLASGOW, <i>ex officio</i> .	
Elected.	Electors.
WILLIAM LORIMER, LL.D., - - -	1908 Chancellor.
J. H. NICOLL, M.B., - - -	1915 Rector.
ROBERT GRAHAM, - - -	1914 { Lord Provost, Magistrates, and Town Council of Glasgow.
SIR DAVID C. McVAIL, M.B., - - -	1891 {
DAVID MURRAY, LL.D., - - -	1903 {
JOHN HUTCHISON, LL.D., - - -	1905 { General Council.
JOHN SMITH, D.D., - - -	1907 {
PROFESSOR PHILLIMORE, M.A., - - -	1910 {
PROFESSOR MILLIGAN, D.D., - - -	1912 {
PROFESSOR GRAHAM KERR, F.R.S., - - -	1913 { Senate.
PROFESSOR NOËL PATON, F.R.S., - - -	1915 {

Senatus Academicus.<sup>1</sup>

PRESIDENT, - - -	THE PRINCIPAL, - - -	1907
PROFESSORS		
Henry Martyn Beckwith Reid, D.D.,	CHAIRS. <i>Divinity</i> , - - -	Appointed 1903
Frederick O. Bower, Sc.D., F.R.S.,	<i>Botany</i> , - - -	1885
D.Sc. ( <i>ad eund.</i> ) Sydney, - - -		
Sir John Harvard Biles, LL.D., D.Sc.,	{ <i>Naval Architecture, including Marine Engineering,</i> }	1891
Sir William Macewen, D.Sc. (Oxon. and Dublin), F.R.S., F.R.C.S.I. (Hon.), F.R.F.P.S.G. (Hon.),		
	<i>Surgery</i> , - - -	1892

<sup>1</sup> See note at foot of next page.

PROFESSORS— <i>Continued.</i>	CHAIRS.	Appointed
Ludwig Becker, Ph.D., - - -	<i>Astronomy</i> , - - -	1893
Murdoch Cameron, M.D., - - -	<i>Midwifery</i> , - - -	1894
Sir Henry Jones, LL.D., Litt.D., F.B.A.,	<i>Moral Philosophy</i> , - - -	1894
Ralph Stockman, M.D., - - -	<i>Materia Medica</i> , - - -	1897
John Glaister, M.D., - - -	<i>Forensic Medicine</i> , - - -	1898
James Cooper, D.D., Litt.D., D.C.L., -	<i>Church History</i> , - - -	1898
Robert Muir, M.A., M.D., Sc.D., F.R.S.,	<i>Pathology</i> , - - -	1899
John S. Phillimore, M.A., - - -	<i>Humanity</i> , - - -	1906 <sup>1</sup>
Andrew Gray, LL.D., F.R.S., - - -	<i>Natural Philosophy</i> , - - -	1899
Dudley J. Medley, M.A., - - -	<i>History</i> , - - -	1899
Robert Latta, M.A., D.Phil., - - -	<i>Logic and Rhetoric</i> , - - -	1902
John Graham Kerr, M.A., F.R.S., - - -	<i>Zoology</i> , - - -	1902
William Macneile Dixon, Litt.D., - - -	{ <i>English Language and Literature</i> , }	1904
John Walter Gregory, D.Sc., F.R.S., - - -	<i>Geology</i> , - - -	1904
William Murray Glog, K.C., B.A., - - -	<i>Law</i> , - - -	1905
Diarmid Noël Paton, M.D., B.Sc., F.R.S.,	<i>Physiology</i> , - - -	1906
Gilbert Austin Davies, M.A., - - -	<i>Greek</i> , - - -	1906
Charles Latham, M.Inst.M.E., - - -	<i>Mining</i> , - - -	1907
Wm. Barron Stevenson, B.D., D.Litt., - - -	{ <i>Hebrew and Semitic Languages</i> , }	1907
Thomas H. Bryce, M.A., M.D., - - -	<i>Anatomy</i> , - - -	1909
George A. Gibson, M.A., LL.D., - - -	<i>Mathematics</i> , - - -	1909
George Milligan, D.D., - - -	<i>Biblical Criticism</i> , - - -	1910
John M. Munro Kerr, M.D., - - -	{ <i>Obstetrics and Gynaecology</i> (Muirhead Chair), }	1911
Robert Kennedy, M.A., M.D., D.Sc., - - -	{ <i>Surgery</i> (St. Mungo Chair), }	1911
John H. Teacher, M.A., M.D., - - -	{ <i>Pathology</i> (St. Mungo—Notman—Chair), }	1911
Walter K. Hunter, M.D., D.Sc., - - -	{ <i>Medicine</i> (Muirhead Chair), }	1911
T. K. Monro, M.A., M.D., C.M., - - -	<i>Practice of Medicine</i> , - - -	1913
Robert S. Rait, M.A., - - -	{ <i>Scottish History and Literature</i> , }	1913
John D. Cormack, D.Sc., M.Inst.C.E., - - -	{ <i>Civil Engineering and Mechanics</i> , }	1913
Wm. Robert Scott, D.Phil., Litt.D., - - -	<i>Political Economy</i> , - - -	1915
Wm. S. McKechnie, LL.B., D.Phil., - - -	<i>Conveyancing</i> , - - -	1916

*Note.*—"The precedence of the Masters in point of ceremony shall, in all time coming, be, that the Professor of Divinity take place first after the Principal, and that all the other Masters and Professors of whatever kind take place of other according to the seniority and time of their admissions into their respective offices."—*Statute of Royal Visitation, 1727.*

<sup>1</sup> Professor Phillimore occupied the Chair of Greek from 1899 till he was appointed to the Chair of Humanity in 1906.

## Deans of the several Faculties.

<i>Arts</i> , - - - - -	Professor Davies.
<i>Science</i> , - - - - -	Professor Gibson.
<i>Medicine</i> , - - - - -	Professor Bryce.
<i>Law</i> , - - - - -	Professor Gloag.
<i>Theology</i> , - - - - -	Professor Stevenson.

## Lecturers.

	Appointed
Thomas Barr, M.D., - - - - -	<i>Diseases of the Ear</i> , - 1895
J. Walker Downie, M.B., C.M., - {	<i>Diseases of the Throat</i> - 1895
A. M. Ramsay, M.D., - - - - -	<i>and Nose</i> , - - - - -
Charles Martin, M.A. (Paris), O.I.P., <sup>1</sup> {	<i>Diseases of the Eye</i> , - 1895
Robert A. Duff, M.A., D.Phil., - - - - -	<i>French Language and Literature</i> , - - - - -
Harry Bamford, M.Sc., - - - - -	<i>Political Philosophy</i> , - 1901
* Herbert W. Bolam, B.Sc., Ph.D., - - - - -	<i>Engineering Drawing and Design</i> , 1901
A. H. Charteris, LL.B., - - - - -	<i>Chemistry</i> , - - - - - 1903
Robert Lamond, LL.B., - - - - -	{ <i>Public International Law</i> , } 1904
Landel R. Oswald, M.B., C.M., - - - - -	{ <i>International Private Law</i> , }
John W. Scott, M.A., - - - - -	<i>Evidence and Procedure</i> , 1905
James F. Gemmill, M.A., M.D., D.Sc., - - - - -	<i>Insanity</i> , - - - - - 1905
John S. Nicholson, B.Sc., <sup>1</sup> - - - - -	<i>Moral Philosophy</i> , - - - - - 1905
William Boyd, M.A., B.Sc., D.Phil., - - - - -	<i>Embryology</i> , - - - - - 1906
Ritchie Girvan, M.A., - - - - -	<i>Electrical Engineering</i> , 1906
Thomas G. Wright, LL.B., - - - - -	<i>Education</i> , - - - - - 1907
Herbert Smith, Ph.D., - - - - -	<i>English Language</i> , - - - - - 1907
Thomas H. Weir, B.D., M.R.A.S., - - - - -	<i>Mercantile Law</i> , - - - - - 1907
Thomas S. Patterson, D.Sc., Ph.D., - - - - -	{ <i>German Language and Literature</i> , - - - - - } 1907
Henry J. Watt, Ph.D., D.Phil., - - - - -	<i>Arabic</i> , - - - - - 1907
Cecil H. Desch, D.Sc., Ph.D., - - - - -	<i>Organic Chemistry</i> , - - - - - 1907
William Dunbar, LL.B., - - - - -	<i>Psychology</i> , - - - - - 1907
* Wm. K. Hutton, M.A., M.B., C.M., - - - - -	<i>Metallurgical Chemistry</i> , 1908
J. Wyllie Nicol, M.B., C.M., - - - - -	<i>Civil Law</i> , - - - - - 1909
John Harry Jones, M.A., - - - - -	<i>Anatomy</i> , - - - - - 1909
Ernesto Grillo, Litt.D.(Flor.), LL.D., {	<i>Dermatology</i> , - - - - - 1909
Wilfred E. Agar, M.A., D.Sc., <sup>1</sup> - - - - -	<i>Social Economics</i> , - - - - - 1909
J. D. Falconer, M.A., D.Sc., - - - - -	{ <i>Italian Language and Literature</i> , - - - - - } 1910
W. B. M. Martin, M.D., - - - - -	<i>Zoology</i> , - - - - - 1910
T. B. Morley, D.Sc., A.M.I.Mech.E., <sup>1</sup> - - - - -	<i>Geography</i> , - - - - - 1911
Steuart N. Miller, M.A., <sup>1</sup> - - - - -	<i>Bacteriology</i> , - - - - - 1911
	<i>Engineering</i> , - - - - - 1911
	<i>Roman History and Antiquities</i> , 1912

<sup>1</sup> On leave of absence for military service. \* Lecturers at Queen Margaret College.

		Appointed
William Rennie, M.A.,	- <i>Greek (and Hellenistic Greek),</i>	1912
George Calder, B.D.,	- - - { <i>Celtic Language and Literature,</i> }	1912
J. M. F. Drummond, M.A., <sup>1</sup>	- - - <i>Botany,</i>	1912
Leonard J. Russell, B.Sc., D.Phil.,	- <i>Logic,</i>	1912
James G. Gray, D.Sc.,	- - - <i>Physics,</i>	1913
R. J. T. Bell, M.A., D.Sc.,	- - - <i>Mathematics,</i>	1913
Robert G. Nisbet, M.A.,	- - - <i>Latin,</i>	1913
G. E. Allan, D.Sc.,	- <i>Electricity (Pure and Applied),</i>	1913
R. A. Houstoun, D.Sc., Ph.D.,	- <i>Physical Optics,</i>	1913
A. A. Mitchell, LL.B.,	- - - <i>General Jurisprudence,</i>	1913
Léon M. Pitoy, B.Sc., L. ès L.Phil., <sup>1</sup>	- { <i>French (Second Lecturer),</i> }	1914
James B. Hutton, M.A., <sup>1</sup>	- <i>Greek History and Archaeology,</i>	1914
Alfred W. Stewart, D.Sc.,	- - <i>Physical Chemistry,</i>	1914
Walter J. Dilling, M.B., Ch.B., <sup>1</sup>	- { <i>Materia Medica and Pharmacology (Pollok Foundation),</i> }	1914
J. Shaw Dunn, M.A., M.D., <sup>1</sup>	- - <i>Clinical Pathology,</i>	1914

## PUBLIC LECTURES, 1916-17.

Professor Samuel Alexander, LL.D., F.B.A. (Gifford Foundation).

## Lecturers for 1916-17.

		Date of First Appointment
Daniel Rankin, B.A.,	- - - <i>Humanity,</i>	1904
* John S. Smart, M.A., D.Litt.,	- { <i>English Language and Literature,</i> }	1907
Neil McArthur, M.A., B.Sc., <sup>1</sup>	- - - <i>Mathematics,</i>	1907
John B. Black, M.A., <sup>1</sup>	- - - <i>British History,</i>	1910
J. S. Dunkerly, B.Sc., <sup>1</sup>	- - - <i>Zoology (Protozoology),</i>	1911
F. J. Charteris, M.D.,	- - <i>Materia Medica (Pharmacy),</i>	1911
James A. Adams, M.D.,	- - <i>Clinical Surgery</i>	1911
John M. Cowan, M.D., D.Sc., <sup>1</sup>	- - <i>Clinical Medicine</i>	1911
J. B. Mackenzie Anderson, M.B.,	- - - "	1911
Arnold W. Gomme, B.A., <sup>1</sup>	- - <i>Greek,</i>	1912
John R. Peddie, M.A., <sup>1</sup>	- - <i>English,</i>	1912
* William Anderson, M.A., <sup>1</sup>	- - <i>Logic,</i>	1912
A. N. McGregor, M.D.,	- - <i>Clinical Surgery,</i>	1912
George Green, M.A., D.Sc.,	- - <i>Natural Philosophy,</i>	1913
Thos. M. MacRobert, M.A., B.Sc.,	- } <i>Mathematics,</i>	1913
John McWhan, M.A., Ph.D.,	- }	
David Thomson, B.Sc., <sup>1</sup>	- - <i>Engineering,</i>	1913
G. W. Tyrrell, A.R.C.Sc.,	- - <i>Geology,</i>	1913

<sup>1</sup> On leave of absence for military service. \*Lecturers at Queen Margaret College.

		Appointed
W. R. Jack, M.D., B.Sc.,	- - <i>Clinical Medicine,</i>	1913
J. H. Macdonald, M.B., Ch.B.,	- { <i>Psychological Medicine</i> (Royal Infirmary), }	1913
John Macintyre, M.B., C.M.,	- { <i>Diseases of the Throat</i> and Nose (Royal Infirmary), }	1913
J. Kerr Love, M.D., C.M.,	- { <i>Diseases of the Ear</i> (Royal Infirmary), }	1913
John Henderson, M.D., <sup>2</sup>	- <i>Clinical Medicine,</i>	1914
G. Haswell Wilson, M.B., Ch.B.,	- <i>Pathological Histology,</i>	1914
Thomas Kay, M.B., C.M., <sup>2</sup>	- <i>Clinical Surgery,</i>	1914
George M'Intyre, M.B., C.M.,	- { <i>Dermatology</i> (Royal Infirmary), }	1914
David Watson, M.B., C.M., <sup>2</sup>	- <i>Veneral Diseases,</i>	1914
George A. Johnston, M.A., <sup>2</sup>	- <i>Moral Philosophy,</i>	1914
G. H. Edington, M.D., D.Sc., <sup>2</sup>	- <i>Clinical Surgery,</i>	1914
<sup>1</sup> David Burns, M.A., B.Sc.,	- <i>Physiology,</i>	1915
Andrew Allison, M.B., D.P.H.,	- <i>Public Health,</i>	1915

### Boards of Studies.—1916.

**In Arts.** *Language and Literature.*—The Principal, the Dean of the Faculty of Arts, Professors Phillimore, Dixon, and Stevenson, Drs. Smith, J. S. Smart, and Grillo, and Messrs. Martin, Nisbet, Rankin, Miller, Rennie, Weir, Girvan, Peddie, Calder, Gomme, and Hutton.—Professor Phillimore, *Convener*.

*Philosophy.*—The Principal, the Dean of the Faculty of Arts, Professors Sir Henry Jones, Latta, and Scott, Drs. R. A. Duff, Watt and Boyd, and Messrs. Scott, J. H. Jones, Smart, Peddie, Russell, Anderson, and White.—Professor Sir Henry Jones, *Convener*.

*Science.*—The Principal, the Dean of the Faculty of Arts, Professors Bower, Becker, Gray, Graham Kerr, Gregory, and Gibson, Drs. Bolam, Bell, Patterson, Desch, J. G. Gray, Houstoun, Agar, Green, M'Whan, Falconer and Stewart, and Messrs. M'Arthur, Drummond, MacRobert, Tyrrell, and Dunkerly.—Professor Gray, *Convener*.

*History and Law.*—The Principal, the Dean of the Faculty of Arts, Professors Cooper, Medley, Rait, and M'Kechnie, and Messrs. Dunbar, Black, Miller, and Hutton.—Professor Medley, *Convener*.

*English (Honours).*—The Principal, the Dean of the Faculty of Arts, Professors Phillimore, Latta, Sir Henry Jones, Dixon, Medley, and M'Kechnie, Drs. J. S. Smart and Grillo, and Messrs. Black, Girvan, and Peddie.—Professor Dixon, *Convener*.

<sup>1</sup> Also Muirhead Demonstrator. <sup>2</sup> On leave of absence for military service.

*Economics (Honours).*—The Principal, the Dean of the Faculty of Arts, Professors Sir Henry Jones, Latta, Medley, Scott, and M'Kechnie, Dr. Duff, and Messrs. Black, and J. H. Jones, —Professor Scott, *Convener*.

**In Science.**—Professors Bower, Sir J. H. Biles, Becker, Glaister, Gray, Graham Kerr, Gregory, Noël Paton, Latham, Bryce, Gibson, and Cormack, Drs. Desch, Gemmill, Watt, Bolam, Patterson, Bell, Allan, J. G. Gray, Houstoun, Agar, Green, M'Whan, Falconer, and Stewart, and Messrs. Bamford, Nicholson, Morley, Thomson, Hutton, M'Arthur, Drummond, MacRobert, Tyrrell, and Dunkerly. —Professor Gibson, *Convener*.

**In Medicine.**—Professors Bower, Sir William Macewen, Murdoch Cameron, Stockman, Glaister, Muir, Gray, Graham Kerr, Noël Paton, Bryce, Munro Kerr, Kennedy, Teacher, Hunter, and Monro, Drs. Thomas Barr, Downie, Oswald, Hutton, A. M. Ramsay, J. F. Gemmill, Bolam, Patterson, Jack, Dunn, Edington, Gray, Nicol, Agar, Martin, Clark, Charteris, Adams, M'Gregor, Wilson, Kay, Cowan, Mackenzie Anderson, Watson, Henderson, Macdonald, J. Macintyre, G. M'Intyre, Love, and Mr. Dunkerly.—The Dean of the Faculty of Medicine, *Convener*.

**Joint Board of Studies in Applied Science** (The University and the Royal Technical College, Glasgow).

*University Members.*—The Principal, Professors Gibson, Gray, Becker, Gregory, Sir J. H. Biles, Latham, Cormack, Dr. Desch, Dr. Patterson, Dr. Stewart, Mr. Nicholson, and Mr. Bamford.

*Royal Technical College Members.*—The Director and Professors G. G. Henderson, D. Burns, M. Maclean, J. G. Longbottom, A. L. Mellanby, James Muir, G. Moncur, John Miller, A. Campion, T. Gray, and Mr. Edwards.

### Official Advisers of Studies.

<i>In Arts,</i>	-	-	Robert A. Duff, M.A., D.Phil.
<i>In Law,</i>	-	-	Professor W. M. Gloag, K.C., B.A.
<i>In Medicine,</i>	-	-	Professor D. Noël Paton, M.D., B.Sc.

### University Assistants or Demonstrators.

<i>Humanity,</i>	-	-	-	John W. Pirie, M.A. <sup>1</sup>
<i>English Language and Literature,</i>	-	-	-	{ Margaret M. Gray, M.A.
				{ R. P. Cowl, M.A.
<i>Hebrew,</i>	-	-	-	(Vacant).
<i>French,</i>	-	-	-	{ Jean Vallette. <sup>1</sup>
				{ Mary C. Cameron, M.A.
<i>German,</i>	-	-	-	F. Broecker.

<sup>1</sup> On leave of absence for military service.

<i>Logic</i> , - - - -	Alexander H. Bodin, M.A. <sup>2</sup>
<i>Moral Philosophy</i> , - -	Alexander White, M.A.
<i>Mathematics</i> , - - -	Arthur S. Morrison, M.A., B.Sc. <sup>1</sup>
<i>Natural Philosophy</i> , -	{ Charles Cochran, M.A., B.Sc. George B. Burnside.
Arnott and Thomson Demonstrator in <i>Experimental Physics</i> , - - - -	{ George E. Allan, D.Sc.
<i>History</i> , - - - -	Andrew Browning, M.A.
<i>Civil Engineering and Mechanics</i> , - - - -	{ Robert M. Brown, B.Sc. (Young Assistant). <sup>1</sup> A. L. Tackley, B.Sc. <sup>1</sup> D. R. Ferguson, B.Sc. <sup>1</sup>
<i>Naval Architecture</i> , - -	A. M. Robb, B.Sc. <sup>1</sup>
<i>Mining</i> , - - - -	Charles C. Arneil. <sup>1</sup>
<i>Geology</i> , - - - -	{ Jean B. Trench (Asst. Dem.). Colin M. Leitch (Do.). <sup>1</sup>
Baxter Demonstr. in <i>Geology</i> , - - - -	John V. Harrison, B.Sc. <sup>1</sup>
<i>Astronomy</i> , - - - -	James Connell.
<i>Botany</i> , - - - -	John M. Thompson, M.A., B.Sc.
<i>Zoology</i> , - - - -	J. M. F. Floyd, M.A. <sup>1</sup>
<i>Chemistry</i> , - - - -	{ James Roberts, F.C.S. Andrew Henderson, M.A., B.Sc. John M. Martin. <sup>1</sup> Robert M'Courtney (Asst. Dem.).
<i>Organic Chemistry</i> , - -	Andrew M'Millan, M.A., D.Sc.
<i>Physical Chemistry</i> , - -	Robert Wright, D.Sc.
<i>Metall. Chemistry</i> , - -	(Vacant.)
<i>Anatomy</i> , - - - -	{ Thomas Walmsley, M.B., Ch.B. William Primrose, M.B., Ch.B.
<i>Anatomy</i> (at Queen Margaret College), - - - -	{ (Vacant.)
<i>Chemistry</i> (at Queen Margaret College), - - - -	{ (Vacant.) (Asst. Dem.)
<i>Physiology</i> , - - - -	{ J. F. Steven, M.A., B.Sc., M.B. <sup>1</sup> Alexander M. Watson.
<i>Materia Medica</i> , - - -	{ Geo. H. Clark, M.D., D.P.H. (Weir Assistant). <sup>1</sup> John C. Middleton, M.A., B.Sc., M.B., Ch.B.

<sup>1</sup> On leave of absence for military service.<sup>2</sup> Prisoner of war in Germany.



<i>Pathology</i> , - - -	John W. M'Nee, M.D., Ch.B. <sup>1</sup>
<i>Pathology (St. Mungo—Notman—Chair)</i> , - -	} (Vacant.)
<i>Forensic Medicine</i> , - -	(Vacant.)
<i>Surgery</i> , - - -	{ J. A. C. Macewen, B.Sc., M.B., C.M. J. G. M'Gregor Robertson, M.B., Ch.B.
<i>Surgery (St. Mungo Chair)</i> , -	W. Campbell Mackie, M.B., Ch.B. <sup>1</sup>
<i>Practice of Medicine</i> , - -	{ Geo. A. Allan, M.B., Ch.B. Adam Patrick, M.A., M.D., Ch.B. <sup>1</sup>
<i>Medicine (Muirhead Chair)</i> , -	A. M. Kennedy, M.D., Ch.B. <sup>1</sup>
<i>Midwifery</i> , - - -	{ Samuel J. Cameron, M.B., Ch.B. Archibald N. M'Lellan, M.B., C.M.
<i>Obstetrics and Gynaecology (Muirhead Chair)</i> , - -	{ A. Louise M'Iroy, M.D., D.Sc. <sup>1</sup> Jas. Hendry, M.A., B.Sc., M.B. <sup>1</sup>
<i>Diseases of the Ear</i> , - -	J. Stoddart Barr, M.B., Ch.B.

### Examiners for Degrees.

*In Divinity*.—The Professors in the Faculty of Theology, assisted by the Rev. Daniel Lamont, B.D., and the Rev. A. C. Baird, B.D., B.Sc.

*In Law*.—The Professors and Lecturers in the Faculty of Law, assisted by:—

William Philips, LL.B.,	-	-	-	-	1911
James Cunnison, M.A.,	-	-	-	-	1913
William Wilson, LL.B.,	-	-	-	-	1913
A. E. W. Hazel, M.A., LL.D.,	-	-	-	-	1914
Hugh B. Spens, LL.B.,	-	-	-	-	1914

*In Medicine*.—The Professors and Lecturers in the Faculty of Medicine, as specified in Section xxv. of University Court Ordinance No. xxxi., and the following Additional Examiners:—

A. R. Cushny, M.D., F.R.S.,	-	-	{ Materia Medica and } 1913
			{ Therapeutics, - }
Stuart M'Donald, M.A., M.D.,	-	-	Pathology, - - 1913
C. W. Mansell Moullin, M.A., M.D.,	-	-	Surgery, - - 1913

<sup>1</sup> On leave of absence for military service.

D. W. Finlay, M.D., LL.D.,	-	-	Medicine,	-	-	1913
G. W. C. Kaye, B.A., D.Sc.,	-	-	Physics,	-	-	1914
D. R. Boyd, D.Sc.,	-	-	Chemistry,	-	-	1914
G. Elliot Smith, M.D., F.R.S.,	-	-	Anatomy,	-	-	1914
E. P. Cathcart, M.D., D.Sc.,	-	-	Physiology,	-	-	1915
Sir Thos. Oliver, M.D., LL.D.,	-	-	Medicine,	-	-	1915
H. H. Brindley, M.A.,	-	-	Zoology,	-	-	1915
H. M. Galt, M.B., B.Sc.,	-	-	{ Medical Jurisprudence and Public Health, }		-	1916
Samuel Sloan, M.D.,	-	-	Midwifery,	-	-	1916
W. H. Lang, D.Sc., M.B.,	-	-	Botany,	-	-	1916

*In Arts.*—The Professors and Lecturers in the Faculty of Arts, as specified in Section XIV. of Ordinance No. 13, assisted by the following Additional Examiners:—

James Robertson, D.D., LL.D.,	-	{ Hebrew, - - - } 1911
	-	{ Arabic, - - - }
Rev. John Maclean, D.D.,	-	Celtic, - - - 1913
E. C. Marchant,	-	Classics, - - - 1913
Sir Walter Raleigh, LL.D.,	-	English, - - - 1913
D. Nichol Smith, M.A.,	-	" - - - 1913
James Cunnison, M.A.,	-	Political Economy, - - - 1913
C. T. Atkinson, M.A.,	-	History, - - - 1913
D. MacGillivray, M.A.,	-	Education, - - - 1913
K. H. Breul, Litt.D., Ph.D.,	-	German, - - - 1913
C. Foligno, D.Litt.,	-	Italian, - - - 1913
Thomas Loveday, M.A.,	-	Logic and Moral Phil., 1913
A. Pender Crichton, M.A.,	-	" " 1913
H. J. Mackinder, M.P.,	-	Geography, - - - 1913
Gilbert Watson, M.A.,	-	Classics, - - - 1914
David G. Taylor, M.A., D.Sc.,	-	Mathematics, - - - 1914
C. H. Lees, D.Sc., F.R.S.,	-	Natural Philosophy, - 1914
D. R. Boyd, D.Sc.,	-	Chemistry, - - - 1914
A. E. W. Hazel, M.A., LL.D.,	-	Constitutional Law & History, 1914
Hugh B. Spens, LL.B.,	-	Roman Law, - - - 1914
George Neilson, LL.D.,	-	Scottish History and Literature, 1915
H. H. Brindley, M.A.,	-	Zoology, - - - 1915
John Horne, LL.D., F.R.S.,	-	Geology, - - - 1915
W. H. Lang, D.Sc., M.B.,	-	Botany, - - - 1916

*In Science.*—Professor Bower, Sc.D., Professor Sir J. H. Biles, LL.D., Professor Becker, Ph.D., Professor Glaister, M.D., Professor Gray, LL.D., Professor Graham Kerr, M.A., F.R.S., Professor Gregory, D.Sc., Professor Noël Paton, M.D., Professor Latham, M.I.M.E., Professor Bryce, M.D., Professor Gibson, LL.D., Professor Cormack, D.Sc., and additional examiners.

*Preliminary Examiners in Arts, Science, and Medicine.*—†Professor Gibson, LL.D., †Professor Phillimore, M.A., Professor Medley, M.A., Professor Dixon, Litt.D., Professor Davies, M.A., Robert J. T. Bell, M.A., D.Sc., William Rennie, M.A., Charles Martin, M.A. Herbert Smith, M.A., Ph.D., †Alec Cran, M.A., Ph.D., Ritchie Girvan, M.A., †D. H. Crawford, M.A., Andrew Hutchison, M.A., B.Sc., W. King Gillies, M.A., Karl H. Breul, Litt.D., Rev. John Maclean, D.D.

### Examiners for Diploma in Education.

William Boyd, M.A., B.Sc., D.Phil., and Duncan MacGillivray, M.A.

### Queen Margaret College.

*Mistress,* - - - Miss Frances H. Melville, M.A., B.D.  
*Tutor in Arts,* - - - Miss Maud G. May, M.A.  
*Tutor in Science and Medicine,* Miss Agnes Picken, M.A., M.B., Ch.B.  
*Secretary to Mistress,* - - Miss Margaret E. Lindsay, M.A.

### Other Officials.

#### UNIVERSITY COURT.

*Secretary,* - - - { Alan E. Clapperton, B.L., LL.D.,  
 91 West Regent Street.  
*Assistant Secretary,* - - Robert Brough, The University.  
*Staff,* - - - { Miss Mary Fairfoul, Miss Ella R.  
 Fleming, William Mackay.

#### SENATE.

*Clerk of Senate,* - - - Professor George Milligan, D.D.

#### REGISTRAR.

*Registrar,* - - - Albert Morrison.  
*Staff,* - - - { John C. Ballantyne,<sup>1</sup> John C. Morris-  
 son, William F. Ballantyne,  
 William M'Lean, Miss Jane R.  
 Bell.

#### LIBRARY.

*Librarian,* - - - (Vacant.)  
*Sub-Librarian,* - - Mungo Ferguson, M.A.  
*Assistant Librarians,* - { Irving M. Morgani, M.A., Wilson  
 Steel, Adam Henderson, George  
 Smith,<sup>1</sup> Robert Morrison, James  
 D. Robertson, Daniel Paterson.<sup>1</sup>

<sup>1</sup> On leave of absence for military service.

† Members of the Joint Board.

## HUNTERIAN MUSEUM.

<i>Honorary Curator of Hunterian Books and MSS.,</i>	-	} Emeritus Professor Ferguson.
<i>Honorary Curator of Zoological Collections,</i>	-	} Professor Graham Kerr.
<i>Assistant Curator in Zoology,</i>		James Chumley.
<i>Honorary Curator of Geological Collections,</i>	-	} Professor Gregory.
<i>Assistant Curator in Geology,</i>		W. R. Smellie, M.A., B.Sc. <sup>1</sup>
<i>Honorary Curator of Anatomical and Archaeological Collections,</i>	-	} Professor Bryce.
<i>Honorary Curator of the Coins,</i>		Geo. Macdonald, C.B., M.A., LL.D.
<i>Honorary Curator of the Roman Collection,</i>		S. N. Miller, M.A.
<i>Under-Keeper of the Museum,</i>		William Kinghorn.

## GENERAL COUNCIL.

<i>Clerk of the General Council,</i>	-	{ Archibald Craig, LL.B., 174 West George Street.
<i>Factors,</i>	-	- Hill & Hoggan, 15 West George St.
<i>Law-Agents,</i>	-	- Mitchells, Johnston & Co., 160 West George Street.
<i>Auditors,</i>	-	- Brown, Fleming & Murray, 175 West George Street.
<i>Publishers and Booksellers to the University,</i>	-	- James MacLehose & Sons, 61 St. Vincent Street.
<i>Printers to the University,</i>	-	- Robert MacLehose & Co. Ltd., Anniesland.
<i>Organist,</i>	-	- A. M. Henderson, L.R.A.M.
<i>Robe Makers to the University,</i>	-	- James Thomson & Son, 189 West George Street.
<i>Master of Works,</i>	-	- John Stitt.
<i>Bedellus,</i>	-	- William Finlayson.

## Representatives of the University Court on Charitable and other Boards.

<i>General Medical Council</i>	-	Principal Sir Donald MacAlister, K.C.B., M.D., LL.D.
<i>Western Infirmary</i>	-	Sir Matthew Arthur, Bart., and Sir Hector C. Cameron, M.D., LL.D.
<i>Royal Infirmary</i>	-	Sir D. C. M'Vail and Rev. Dr. Smith.
<i>Victoria Infirmary</i>	-	John Hutchison, LL.D., and Ex-Treasurer Graham, D.L.
<i>Glasgow Eye Infirmary</i>	-	Sir William Macewen, D.Sc. (Oxon.), M.D.

<sup>1</sup> On leave of absence for military service.

*Royal Samaritan Hospital for Women*—Henry E. Gordon, B.A.  
*West of Scotland Agricultural College*—Sir D. C. M'Vail, M.B.  
*Glasgow Veterinary College*—Sir D. C. M'Vail, M.B.  
*Glasgow Athenæum Commercial College*—William Lorimer, LL.D.  
*Pearce Institute, Govan*—David Murray, LL.D. and Anthony S. Murray, M.A., B.L.  
*Wallace Hall Academy, Dumfries*—  
*Glasgow Provincial Committee for the Training of Teachers*—Sir Donald MacAlister, K.C.B., Miss Frances H. Melville, Professors Dixon and Rait, and Colonel A. B. Grant, M.V.O.  
*The Muirhead Trust*—Alan E. Clapperton, B.L., LL.D.  
*Highlands and Islands Educational Trust*—Rev. George Calder, B.D.  
*Stirling Educational Trust*—Charles King.  
*The Territorial Force Association of the County of the City of Glasgow*—Professor Medley, M.A.  
*Army Commissions Nomination Board*—Professor Gray, LL.D., F.R.S., and Professor Medley, M.A.

### Representatives of the Senate on Educational and other Boards.

*Royal Technical College, Glasgow*—The Principal and Professor Gibson.  
*West of Scotland Agricultural College*—Professor Gregory.  
*Glasgow Veterinary College*—Professor Kennedy.  
*Western Infirmary*—Professors Sir Henry Jones and Noël Paton.  
*Royal Infirmary*—Professors Glaister and Bryce.  
*Glasgow Maternity and Women's Hospital*—Professor Bryce.  
*Glasgow Convalescent Home*—Professor Muir.  
*Royal Asylum for the Blind*—Professor Kennedy.  
*Glasgow City Educational Endowments Board*—Professor Stewart.  
*Glasgow General Educational Endowments Board*—Professors Stewart and Latta.  
*Hutchesons' Educational Trust*—Professor Gibson.  
*John Clark (Mile-End) Bursary Trust*—Professor Milligan.  
*John Gibson Bursary Trust*—The Principal.  
*Scott Scholarship and Bursaries Trust*—Professors Phillimore and Dixon.  
*Glasgow School of Art*—Professor Phillimore.  
*Haldane Trust*—Professor Phillimore.  
*Baillie's Institution*—Professor Ferguson.  
*Ministers' and Professors' Widows Fund*—Professors Gloag and Rait.

### Representatives of the General Council on Educational Trusts.

*Scott Scholarship and Scott Bursaries*—John Hutchison, LL.D.  
*Denny Bursaries*—John Hutchison, LL.D.

### Joint Committees of Senate and Court.

LIBRARY COMMITTEE.—*Convener*, Professor Latta.

*Appointed by the Senate*—Professors Latta, Dixon, Noël Paton, Davies, Gibson, and Milligan.

*Appointed by the University Court*—David Murray, LL.D., Sir D. C. M'Vail, M.B., and John Hutchison, LL.D.

MUSEUMS COMMITTEE.—*Convener*, The Principal.

*Appointed by the Senate*—The Principal and Professors Graham Kerr, Gregory, and Bryce.

*Appointed by the University Court*—David Murray, LL.D., and Lord Provost Dunlop.

OBSERVATORY AND LABORATORIES COMMITTEE.—

*Convener*, Rev. John Smith, D.D.

*Appointed by the Senate*—The Principal and Professors Stockman, Glaister, and Latham.

*Appointed by the University Court*—William Lorimer, LL.D., and Rev. John Smith, D.D.

### The Carnegie Trust for the Universities of Scotland.

*Trustee representing Glasgow University*—The Principal.

### Committee on External Examinations and Appointments.

The Principal and Professors Bower, Cormack, Sir J. H. Biles, Sir Henry Jones, Muir, Phillimore, Gray, Medley, Latta, Dixon, Latham, Gibson, Hunter, Rait, Scott, the Lord Provost, Dr. Wm. Lorimer, Mr. Robert Graham, Col. A. B. Grant, Dr. R. A. Duff, Miss Melville, B.D., and Miss May, M.A.—Professor Medley, *Convener*; Dr. R. A. Duff, *Secretary*.

### Committee on the Training of Teachers.

The Principal (*Convener*), Professors Bower, Sir Henry Jones, Phillimore, Gray, Medley, and Latta.

### Students' Representative Council.

Nov., 1915—Nov., 1916.

*President*—Archibald Rae, M.A.

*Secretary*—Peter R. Purdie, M.A.

*Treasurer*—George F. Todd, C.A., 103 Bath Street.

*Editor of Magazine*—John Anderson.

*Finance Manager*—Arch. Rae, M.A.

*Editor of Handbook*—T. W. Manson.

*Finance Manager*—Daniel M'Intosh.

*Convener of Queen Margaret Committee*—Elsie C. Knox.

## Officers' Training Corps.

The Glasgow University Contingent of the Senior Division of the Officers' Training Corps began its work in February, 1909. The object of the O.T.C. is to enable its members to qualify for commissions in the Special Reserve of Officers or in the Territorial Force.

The contingent at present consists of one Company of Engineers and three Infantry Companies.

Although the greater number of the members consists of University students, gentlemen who are not students of the University are admitted to membership of the contingent under such conditions as may be laid down from time to time by the Military Committee.

The affairs, other than military, of the contingent are managed by the Military Education Committee of the University. This Committee is composed as follows :

*From the University Court*—The Principal, Dr. J. Hutchison, Col. A. B. Grant.

*From the Senate*—Professors Medley (Convener and Treasurer), Gray, Latta, Graham Kerr, Paton and Cormack.

*Co-opted Military Members*—The Acting Adjutant and the Officers commanding Companies of the Contingent.

The Officers of the Contingent are as follows :

Captain J. Hendry, M.A., B.Sc., M.B., Capt. G. H. Clark, M.D., D.P.H., Capt. F. MacRae, M.A., Lieut. A. M. Robb, B.Sc., 2nd Lieut. J. B. Black, M.A., 2nd Lieut. J. R. Peddie, M.A.

*Hon. Chaplain*—The Rev. Prof. Cooper, V.D., D.D., Litt.D., D.C.L.

*Acting Adjutant*—Capt. J. Hendry, B.Sc., M.B.

Application for admission or information should be made at the Headquarters in University Avenue, on any week day except Saturday, during the session, between 10 A.M. and 12 noon, or by letter to the Acting Adjutant at the Headquarters.

*Officers of the Unit seconded for service with other Units during the War—*  
Capt. W. S. Martin, M.A., M.B.—Temp. Capt. R.A.M.C.;  
Lieut. W. C. Mackie, M.B.—Capt. R.A.M.C. (Special Reserve);  
Lieut. G. S. Fraser, M.A., B.L.—Capt. 16th H.L.I.; 2nd Lieut.  
W. E. Maitland, M.B.—2nd Lieut. 3rd Seaforth Highlanders  
(died of wounds); 2nd Lieut. V. B. Hill—Lieut. 6th King's  
Royal Rifles; 2nd Lieut. F. J. MacCunn, B.A., B.Litt.—Capt.  
6th Cameron Highlanders (fell in action); 2nd Lieut. C. P.  
Williamson—Temp. Lieut. Royal Engineers.



## I.—THE UNIVERSITY.

The University of Glasgow is a corporate body, which has always included a Chancellor, Rector, Dean of Faculties, Principal, Professors, and Students. It was originally founded, like most other ancient establishments of the same nature, by the authority of the See of Rome. Pope Nicholas V., by a bull, dated the seventh of January, 1450-1, erects and establishes in Glasgow a "*Studium Generale . . . tam in theologia ac jure canonico et civili, quam in artibus, et quavis alia licita facultate.*" He then declares that this University shall have the same power of creating Masters and Doctors as any other "*studium generale*" in Christendom, and appoints the Bishop of Glasgow and his successors, Chancellors and Rectors by his authority. In the same year a body of statutes was prepared, and the University established by the exertions of the Bishop and his Chapter. It consisted, at this time, of the Chancellor and Rector, of various Masters and Doctors in the Faculties of Theology, Canon Law, and the Arts; and, lastly, of the incorporated students in these Faculties, who might be promoted to the same degrees in each, after following out the course of study prescribed in the statutes.

The University, at this time, had received no endowments, and was possessed of no property, except a University purse, into which were put some small perquisites on conferring degrees, and the patronage of two or three small chaplainries. It continued, however, to discharge its important functions with great zeal and activity, and attracted a greater number of members than could well have been expected in that rude period of society. The University Records contain little information as to lectures delivered in the Higher Faculties, or the number of the students who attended them. But we learn that within three or four years after the establishment of the University, so many young men were matriculated in the Faculty of Arts, that it was thought expedient to provide a house in which they

might reside, and to secure a regular set of teachers for their instruction.

The house provided for the accommodation of the students in Arts was known by the name of Pædagogium, or the College of Arts. It is said to have been situated in the Rottenrow; but in the year 1460, James, Lord Hamilton, bequeathed to Mr. Duncan Bunch, principal Regent of the College of Arts, and his successors, Regents, for the use of the said College, a tenement in the High Street, with four acres of land adjoining. In buildings situated on this ground the classes of the University continued to meet for upwards of four hundred years.

The Reformation produced at first great disorder in the University, its members being clergymen of the Catholic persuasion, and its chief support being derived from the Church. In 1577, James VI. prescribed very particular rules with regard to the College and the form of its government, and made a considerable addition to its funds. The charter by which the king made these regulations, and gave that property, is known by the name of *Nova Erectio*.

By this charter, provision was made for the support of a Principal, who was to teach Theology and the Holy Scriptures, and was also Professor of Hebrew and Syriac, and three Regents, of whom one was to teach Greek and Rhetoric, another Dialectics, Morals, and Politics, with the Elements of Arithmetic and Geometry, and the third, who was also Sub-Principal, was to teach all the branches of Physiology and Geography, Chronology and Astrology. The Regents were to keep each by his own Profession, so that the student had a new Regent every year.<sup>1</sup>

From this small beginning, the University continued to prosper till the era of the Restoration, having at that time, besides the Principal, two Professors of Theology, one of Medicine, four Regents or Professors of Philosophy, and one of Humanity, a Librarian, with a tolerable Library, an increased number of Bursars and of other students of all ranks. At the Restoration, however, being deprived of a great part of its revenues in consequence of the re-establishment of Episcopacy, three of the Professorships fell into abeyance, and the College was again reduced to a Principal,

<sup>1</sup>This system was altered in 1642, in accordance with the practice of the other Universities; but returned to after the Revolution. The four classes necessary to Graduation in Arts were called—the first, Bajan; the second, Semi; the third, Baccalour; the fourth, Magistrand.

a Professor of Theology, and four Regents. This state of matters continued till the Revolution, when the University again began to prosper after a long period of depression.<sup>1</sup> In the next thirty years seven Professorships were either originally founded or revived, viz. :—those of Mathematics (1691), Humanity (1706), Oriental Languages (1709), Civil Law (1712), Medicine (1712), Church History (1716), and Anatomy (1718); and to these a Professorship of Astronomy was added in 1760. The following eighteen Professorships were founded during the nineteenth century, viz. :—Natural History (1807), Surgery (1815), Midwifery (1815), Chemistry (1817), Botany (1818), Materia Medica (1831), Institutes of Medicine (1839), Forensic Medicine (1839), Civil Engineering (1840), Conveyancing (1861), English Language and Literature (1861), Divinity and Biblical Criticism (1861), Clinical Surgery (1874), Clinical Medicine (1874), Naval Architecture (1883), History (1893), Pathology (1893), Political Economy (1896). In 1903 the Chair of Geology was founded, and the Chair of Natural History became the Chair of Zoology. The Chair of Mining was founded in 1907. In 1911 the Chairs of Clinical Surgery and Clinical Medicine founded in 1874 were superseded by the establishment of the St. Mungo Chair of Surgery and the Muirhead Chair of Medicine. There were also established in 1911 the Muirhead Chair of Obstetrics and Gynaecology and the St. Mungo (Notman) Chair of Pathology. In 1913 was founded the Chair of Scottish History and Literature.

#### UNIVERSITY BUILDINGS.

The changes in the City of Glasgow having so entirely altered the character of the district in which the University Buildings were planted in the fifteenth century as to render the locality altogether unsuitable for an Academic Institution; and the buildings themselves having become, by their limited extent and defective construction, inadequate for the modern requirements of a great educational establishment; measures were adopted for the removal of the University to more extended and commodious buildings, and for this purpose a large extent of ground was secured in the lands of Gilmorehill, in the western part of the City.

In 1846, a Bill for the sale of the College grounds and buildings to the Monklands Junction Railway Company, and the transference of the University to a new site on Woodlands,

<sup>1</sup> See Dr. Thomas Reid's Account of the University of Glasgow.

was passed by both Houses of Parliament, and received the Royal assent. But that measure failed by the inability of the Railway Company to implement their engagements; and the Senate of the University found no favourable opportunity for the renewal of the scheme till the year 1863, when a proposal for the purchase of the College lands and buildings was made by the City of Glasgow Union Railway Company, and a sale was accordingly effected to that Company, under their Act of Parliament, in 1864, at the price of £100,000.

The funds at the disposal of the University to carry out the scheme of removal consisted of—(1.) The produce of the sale of the old College and grounds, £100,000,—(2.) A sum of £17,500, consisting of the principal sum of £10,000, obtained by the University as compensation from the Monklands Junction Company, for non-fulfilment of their agreement, with interest since the time of payment, and—(3.) A sum of £21,400, promised by her Majesty's Government in aid of the scheme of removal, conditionally on a further sum of £24,000 being raised by public subscription, for the erection of a sick hospital in connection with the new University Buildings.

With these funds at their disposal, buildings might have been erected sufficient for the transaction of the ordinary business of instruction in the same manner as heretofore, and for the accommodation of the Library and Museum, but they must have been of the plainest design, and on a scale quite inadequate to provide for the future extension of the University.

In these circumstances, the Senate resolved to make an earnest appeal for aid to the Government and to the public. This appeal was responded to in the most generous and gratifying manner. In a short time a sum of nearly £100,000 was subscribed, chiefly in the City of Glasgow; and the Government, appreciating the importance of the work, and the public interest it had excited, announced their intention to ask Parliament for the sum of £120,000, in six annual instalments, on condition of a like amount being raised by subscription and expended on the buildings. This sum was paid out of the National Treasury, and there has been received from the public subscription for the University Buildings and the Western Infirmary and from legacies and donations the large amount of £406,203, including £45,000 from the late Marquis of Bute for the erection

of the Bute Hall, £5,000 from the late Dr. J. M'Intyre for the University Union Buildings, £5,000 from the Bellahouston Trustees for Medical Buildings in the Women's department, £4,274 from the late Sir William Pearce, Bart., for the removal of the old College front and the re-erection of the materials at the north-east gateway, £5,000 bequeathed by Mr. Andrew Cunninghame, and £1,000 (less legacy duty) bequeathed by Mr. James Marshall for the completion of the tower, and special subscriptions amounting to £2,600 for building and furnishing the Gymnasium. A sum of £30,000 was allocated to the Western Infirmary. New buildings, designed by the late Sir G. Gilbert Scott, were erected on the grounds of Gilmorehill ; and in these buildings the classes of the University met for the first time in session 1870-71. In 1893 the buildings and grounds were extended by the gift of North Park House and Grounds for the use of the women students of the University. Extensive additions to the buildings at Gilmorehill have recently been made, including Engineering Lecture-rooms and Laboratory, Botany Class-rooms, Museum and Herbarium, and an extension of the Anatomical Department. The cost of these additions has been defrayed from the Randolph Bequest and from funds provided by the Bellahouston Trustees (£18,500), the Trustees of the late James B. Thomson (£13,727), and other benefactors. Two other groups of buildings were completed in 1907, funds having been provided by the Carnegie Trust (£60,500), and by the late Principal Story's University Equipment Scheme (£40,000). The one group is for the accommodation of Natural Philosophy, and the other for Physiology, Materia Medica, and Forensic Medicine. A temporary building has also been erected for increasing the accommodation of the Chemical Department, to which the Equipment Scheme contributed £10,000.

#### GOVERNMENT OF THE UNIVERSITY.

Previous to the Universities Act of 1858 the whole business of the University was transacted in three distinct courts—namely, the Senate, the Faculty, and the Comitia.

The *Senate* consisted of the Rector, the Dean, the Principal, and all the Professors of the University. Meetings of the Senate were held for conferring degrees, and for the management of the libraries and other matters belonging to the University.

The *Faculty*, or College Meeting, consisted of the Principal,

who presided, and the Professors of Divinity, Church History, Oriental Languages, Natural Philosophy, Moral Philosophy, Mathematics, Logic, Greek, Humanity, Civil Law, Medicine, Anatomy and Practical Astronomy. The Members of Faculty had the administration of the whole revenue and property of the College, along with the right of exercising the patronage of eight professorships vested in the College. They also presented a Minister to the parish of Govan, and had the gift of various bursaries.

The Constituent Members of the *Comitia* were the Rector, the Dean, the Principal, the Professors, and the Matriculated Students of the University. The Rector or Vice-Rector presided in this Court, and also in the Senate. Meetings of the *Comitia* were held for the election and admission of the Rector, for hearing the inaugural discourses of the Principals and Professors previously to their admission to their respective offices, and for promulgating the laws of the University.

Besides these a court, called the *Jurisdictio Ordinaria*, consisting of the Principal, the four Regents (viz., the Professors of Greek, Logic, Ethics, and Physics), and the Professor of Humanity, with the gowned students, met occasionally, for the exercise of discipline over the junior students.

By the Scottish Universities Act, 21 and 22 Vict., chap. 83, important changes were made in the constitution and government of the University. The distinction between the Faculty and the Senate was abolished; two new bodies, called the University Court and University Council, were instituted; and Commissioners were appointed, armed with extensive powers of revision and regulation, who issued ordinances, sanctioned by Her Majesty, for the administration of the affairs of the University.

Further changes were made by the Universities (Scotland) Act, 1889. A Committee of Her Majesty's Privy Council was constituted, styled the Scottish Universities Committee of the Privy Council. An Executive Commission was created with power to repeal or modify any ordinance made under the Act of 1858. The Commissioners continued to exercise their powers till the end of 1897 and issued ordinances, *inter alia*, for Degrees in Arts, Science, Medicine, Law, and Divinity, for the instruction and graduation of Women, and for special study and research. They also issued an ordinance (No. 60) laying down regulations for the constitution of the Students' Representative Council, and regulations under which that Council is entitled to petition the

Senatus Academicus and the University Court. After the expiration of the powers of the Commissioners the power of founding new professorships and making other ordinances according to a prescribed procedure devolved upon the University Court (see page 47).

### CHANCELLOR.

The Chancellor is the head of the University, and, by himself or his deputy, has the privilege of conferring Academical Degrees upon persons found qualified by the Senate. All changes in the internal arrangements of the University required, under the Act of 1858, the sanction of the Chancellor before being carried into effect. He is elected by the General Council, of which he is president. His office is held during life. He nominates an Assessor in the University Court, and he is empowered to appoint a Vice-Chancellor to discharge his office in his absence, so far as regards conferring Degrees, but in no other respect. The office of Vice-Chancellor has usually been, and is now, held by the Principal.

#### *Chancellors from the year 1642.*

1642-1904. (See *University Calendar*, 1911-12, and previous years.)

1904. William Thomson, Baron Kelvin of Largs, G.C.V.O., O.M.

1908. ARCHIBALD PHILIP PRIMROSE, EARL OF ROSEBERY AND MIDLOTHIAN, K.G., K.T.

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### RECTOR.

The Rector is elected by the matriculated students of the University, divided into four nations.<sup>1</sup> In the case of an equality of nations the Chancellor had, in accordance with the Act of 1858, the casting vote, but under the Act of 1889 the Commissioners have ordained (Ord. No. 7) that the election

<sup>1</sup>The nations are constituted as follows:—

1. The Natio Glottiana consists of all matriculated students born within the County of Lanark.

2. The Natio Transforthana consists of all matriculated students born within any of the Counties of Orkney and Shetland, Caithness, Sutherland, Ross, Inverness, Cromarty, Nairn, Moray, Banff, Aberdeen, Perth, Forfar, Kincardine, Clackmannan, Fife, Kinross, Argyle, Stirling, and Dumbarton.

3. The Natio Rothseiana consists of all matriculated students born within any of the Counties of Bute, Renfrew, and Ayr.

4. The Natio Loudoniana consists of all matriculated students not included in any of the other nations.

shall be determined by the majority of votes of all the students voting whenever the votes of the nations shall be equally divided. The Universities Commission (1858) ordained that the election should take place upon the 15th November (the 16th, if the 15th fell on a Sunday); but by Ordinance No. 139 of the Universities Commission (1889), the election is to take place on such day in the month of October or November as may be fixed by the University Court after consultation with the Senate, but the date cannot be later than the second Saturday in November in any year. The term of office is three years. The Rector is the official President of the University Court.

*Rectors from the year 1773.*

1773-1890. (See *University Calendar*, 1911-12, and previous years.)

1890. Right Hon. Arthur James Balfour, M.P.

1893. Right Hon. Sir John Eldon Gorst, M.P.

1896. Right Hon. Joseph Chamberlain, M.P.

1899. The Earl of Rosebery, K.G., K.T.

1902. Right Hon. George Wyndham, M.P.

1905. Right Hon. Herbert H. Asquith, M.P.

1908. Right Hon. Baron Curzon, G.C.S.I., G.C.I.E., F.R.S.

1911. Right Hon. Augustine Birrell, K.C., M.P.

1914. M. RAYMOND POINCARÉ.

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DEAN OF FACULTIES.

From the beginning there has been in the University an officer of dignity with the title of Dean of Faculty or Dean of Faculties. The duties of the office, as originally constituted, were to exercise a superintendence over the studies; and, in conjunction with the Masters, to judge of the qualifications of applicants for degrees. From the year 1772 it was the duty of the Dean, in concert with the Rector and the Minister of Glasgow, to examine the accounts of the administration of the Revenue, and to give advice to the Principal and Professors, when it was necessary for them to institute a judicial inquiry into the conduct of any of their number. By the Universities Act of 1858 the Dean of Faculties was a member of the University Court, but in the enumeration of the constituent members of the new University Court in the Act of 1889 the name does not occur. The election is made annually by the Senate at the close of the winter session.



*Deans from the year 1800.*

- 1800-1896. (See *University Calendar*, 1911-12, and previous years.)  
 1896. W. P. Dickson, D.D., LL.D.  
 1901. The Rt. Hon. Lord Kelvin, G.C.V.O.  
 1904. Sir James King, Bart., LL.D.  
 1911. WILLIAM STEWART, D.D., LL.D.

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PRINCIPAL.

The office of Principal or Principal Regent of the College was almost coeval with the foundation of the University, and was regulated anew by James VI., in 1577. It is in the appointment of the Crown. The Principal is President of the Senatus Academicus; and is also, *ex officio*, a member of the University Court.

*Principals from the year 1574.*

- 1574-1803. (See *University Calendar*, 1911-12, and previous years.)  
 1803. William Taylor, D.D.  
 1823. Duncan M'Farlan, D.D.  
 1858. Thomas Barclay, D.D.  
 1873. John Caird, D.D.  
 1898. Robert Herbert Story, D.D., LL.D.  
 1907. SIR DONALD MACALISTER, K.C.B., M.A., M.D.,  
 D.C.L., LL.D., D.Sc., Ph.D.

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UNIVERSITY COURT.

The University Court consists of (*a*) the Rector, (*b*) the Principal, (*c*) the Lord Provost of Glasgow for the time being, (*d*) an Assessor nominated by the Chancellor, (*e*) an Assessor nominated by the Rector, (*f*) an Assessor nominated by the Lord Provost, Magistrates, and Town Council of Glasgow, (*g*) four Assessors elected by the General Council, (*h*) four Assessors elected by the Senatus Academicus. There is a further provision in the Act of 1889 for the representation of affiliated Colleges.

*Assessors since the University Court was constituted.*

## CHANCELLOR.

- 1859-1904. (See *University Calendar*, 1911-12, and previous years.)  
 1904. Henry E. Gordon, B.A., of Aikenhead.  
 1908. WILLIAM LORIMER, LL.D.

## RECTOR.

- 1860-1890. (See *Calendar*, 1911-12, and previous years.)  
 1890. Lord Blythswood, LL.D.  
 1893. Matthew P. Fraser, LL.B.  
 1896. David Murray, LL.D.  
 1899. Alexander Ure, LL.B., M.P., Q.C.  
 1902. Allan F. Baird, Esq.  
 1905. William Lorimer, Esq.  
 1908. Sir John Ure Primrose, Bart., LL.D.  
 1911. Alexander B. Grant, M.V.O.  
 1914. JAMES H. NICOLL, M.B., C.M.

## LORD PROVOST, MAGISTRATES, AND TOWN COUNCIL OF GLASGOW.

1889. James Colquhoun, LL.D.  
 1899. Robert M. Mitchell, Esq.  
 1906. Alexander Murray, Esq.  
 1910. James M'Farlane, Esq.  
 1914. ROBERT GRAHAM.

## GENERAL COUNCIL.

- 1859-1889. (See *Calendar*, 1911-12, and previous years.)  
 1889. David Hannay, Esq.  
 1889. Hector C. Cameron, M.D.  
 1889. Sir John Neilson Cuthbertson.  
 1891. Rev. J. W. King, M.A., D.D.  
 1891. D. C. M'Vail, M.B.  
 1893. Hector C. Cameron, M.D.  
 1893. Sir John Neilson Cuthbertson.  
 1895. Rev. J. W. King, D.D.  
 1895. D. C. M'Vail, M.B.  
 1897. Hector C. Cameron, M.D.  
 1897. Sir John Neilson Cuthbertson, LL.D.  
 1899. D. C. M'Vail, M.B.  
 1899. Sir James Bell, Bart.  
 1900. William Robertson Copland, C.E.  
 1901. Sir John Neilson Cuthbertson, LL.D.  
 1901. William Robertson Copland, C.E.  
 1903. D. C. M'Vail, M.B.  
 1903. David Murray, LL.D.  
 1905. John Hutchison, LL.D.  
 1905. Sir William Robertson Copland, C.E., LL.D.  
 1905. John Hutchison, LL.D.  
 1907. John Smith, D.D.  
 1907. D. C. M'Vail, M.B.  
 1907. David Murray, LL.D.  
 1909. John Hutchison, LL.D.  
 1909. John Smith, D.D.  
 1911. Sir D. C. M'Vail, M.B.

1911. David Murray, LL.D.  
 1913. JOHN HUTCHISON, LL.D.  
 1913. JOHN SMITH, D.D.  
 1915. SIR D. C. M'VAIL, M.B.  
 1915. DAVID MURRAY, LL.D.

## SENATUS ACADEMICUS.

- 1859-1889. (See *Calendar*, 1911-12, and previous years.)  
 28th Nov., 1889. Professor Leishman, M.D.  
 28th Nov., 1889. Sheriff Berry, LL.D.  
 28th Nov., 1889. Professor Stewart, D.D.  
 28th Nov., 1890. Professor Ramsay, LL.D.  
 30th Nov., 1891. Professor Leishman, M.D.  
 28th Nov., 1892. Sheriff Berry, LL.D.  
 28th Nov., 1893. Professor Stewart, D.D.  
 30th Nov., 1893. Professor Gairdner, M.D., LL.D.  
 28th Nov., 1894. Professor Jack, LL.D.  
 30th Nov., 1895. Sir W. T. Gairdner, K.C.B., M.D., LL.D.  
 28th Nov., 1896. Sheriff Berry, LL.D.  
 28th Nov., 1897. Professor Stewart, D.D.  
 28th Nov., 1898. Professor Adamson, LL.D.  
 30th Nov., 1899. Professor Young, M.D.  
 28th Nov., 1900. Professor Moir, LL.D.  
 28th Nov., 1901. Professor Stewart, D.D.  
 6th Mar., 1902. Professor Raleigh, M.A.  
 28th Nov., 1902. Professor Raleigh, M.A.  
 15th Jan., 1903. Professor Muir, M.A., M.D.  
 30th Nov., 1903. Professor Muir, M.A., M.D.  
 13th Oct., 1904. Professor Jones, LL.D., Litt.D., F.B.A.  
 28th Nov., 1904. Professor Gray, LL.D.  
 28th Nov., 1905. Professor Stewart, D.D.  
 28th Nov., 1906. Professor Jones, LL.D., Litt.D., F.B.A.  
 30th Nov., 1907. Professor Sir Hector C. Cameron, M.D.  
 28th Nov., 1908. Professor Gray, LL.D.  
 28th Nov., 1909. Professor Bower, Sc.D., F.R.S.  
 28th Nov., 1910. Professor Phillimore, M.A.  
 30th Nov., 1911. Professor Muir, M.A., M.D., F.R.S.  
 28th Nov., 1912. PROFESSOR MILLIGAN, D.D.  
 28th Nov., 1913. PROFESSOR GRAHAM-KERR, M.A., F.R.S.  
 28th Nov., 1914. PROFESSOR PHILLIMORE, M.A.  
 30th Nov., 1915. PROFESSOR NOËL PATON, M.D., F.R.S.

The Rector's Assessor continues in office three years, and the other Assessors four years.

Under the Universities Act, 1858, the Court has power :

1. To review all decisions of the Senate, and to be a Court of Appeal from the Senatus, except as otherwise provided in the Universities Act.
2. To effect improvements in the internal arrangements of the University, after due communication with the Senate, and with the sanction of the

Chancellor: provided that all such proposed improvements be submitted to the General Council for consideration.

3. To require due attention on the part of the Professors to the Regulations as to the mode of teaching and other duties imposed on the Professors.

4. To fix and regulate, from time to time, the fees in the several Classes.

5. Upon sufficient cause shown, and after due investigation, to censure any member of Senate, or to suspend him from office, and from the emoluments thereof, in whole or in part, for any period not exceeding one year, or to require him to retire on a retiring allowance, or to deprive him of office; and during the suspension of any Professor, to make provision for the teaching of his class: provided always, that no such sentence of censure, deprivation, etc. shall have effect until approved by His Majesty in Council.

By Section 19 any of the Rules and Ordinances enacted by the Universities Commissioners under the Act could be altered or revoked by the University Court of the University to which they are applicable, but only with the written consent of the Chancellor, and with the approval of His Majesty in Council.

By the Universities (Scotland) Act, 1889, the University Court is a body corporate with perpetual succession and a common seal; and all the property belonging to the University at the passing of the Act is now vested in that body.

By the same Act, the University Court, in addition to the powers conferred upon it by the Act of 1858, has power:

1. To administer the whole revenue and property of the University, including share of annual Government Grant, and bursary and other mortifications.

2. To review any decision of the Senate, appealed against by a member of Senate or other member of the University interested,<sup>1</sup> and to receive representations and reports from the Senate and the General Council.

3. To review on representation by any member of the University Court or by any member of Senate, any decision of the Senate in the exercise of its powers of regulating and superintending the teaching and discipline of the University; but decisions in matters of discipline can be reviewed only on appeal by a member of Senate or by a member of the University directly affected.

4. To appoint professors to chairs in University patronage; to appoint examiners and lecturers; and to recognise for graduation purposes the teaching of any college or individual teacher, under any regulations laid down by the Commissioners, which regulations, after the expiration of the powers of the Commissioners, may from time to time be modified or altered by the Universities Committee.

5. To define on application by any member of the Senate the nature and limits of a professor's duties under his commission, subject to appeal to the Universities Committee.<sup>2</sup>

6. To take proceedings against a principal or professor, University lecturer, assistant, recognised teacher or examiner, or any other person employed in teaching or examining.

<sup>1</sup> An appeal against any decision of the Senate must be lodged with the Secretary of the University Court within fourteen days from the date of the issue of such decision. See Ordinance No. 5.

<sup>2</sup> Ordinance No. 144, which was issued on 29th March, 1895, and came into force immediately after the expiration of the powers of the Commissioners (1889), empowers the University Court at any time to revise and adjust the terms of the commission to be issued at the next vacancy of any chair, with regard to the number of lectures and the period of instruction.

7. To appoint from persons not being members of Senate one third of the members of any standing committee or committees charged, by ordinance of the Commissioners, with superintendence of University libraries or museums, and to review any decision of the Senate regarding the recommendations of such committee or committees.

8. To appoint committees of its own number, consisting of not less than five members, to report on any business entrusted to them or to carry out special instructions.

9. To elect the representative of the University on the General Medical Council, under the Medical Act, 1886.

10. After the expiration of the powers of the Commission to found new professorships with the approval of the Universities Committee.<sup>1</sup> After such expiration no new professorship shall be founded otherwise.

By Section 21 of the Act of 1889 the University Court has power to make new ordinances, with the approval of His Majesty in Council:

1. With respect to the appropriation of the sum allotted to the University by the Commissioners out of the annual grant.

2. Altering or revoking any of the ordinances affecting the University which have been or may be framed and passed under the Act of 1858 or the Act of 1889, and making new ordinances: provided that such ordinances, before being submitted to His Majesty for approval, have been communicated by the University Court to the Senate, the General Council, and the University Courts of the other Universities, and have been laid for twelve weeks before both Houses of Parliament.

The Court is entrusted with the patronage of several of the Professorships, appoints the additional Examiners for Degrees, and is a court of final appeal in any dispute which may arise in making up the Register of the General Council. Seven Members of the Court constitute a quorum. The Rector is President—in his absence, the Principal.

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### SENATUS ACADEMICUS.

The Senatus Academicus consists of the Principal and the whole of the Professors, and is entrusted with the regulation and superintendence of the teaching and discipline of the University. It appoints two-thirds of the members of any standing committee or committees charged by ordinance of the Commissioners with the immediate superintendence of University libraries or museums. It receives in the first instance all reports by such committee or committees, and, subject to the review of the University Court, it may confirm, modify, or

<sup>1</sup> Ordinance No. 144 enjoins the University Court before proceeding to the foundation of any new Professorship, to ascertain that there are sufficient means for its endowment, and also to take into consideration the contingent claim which the Professor may have to a pension.

reject the recommendations in such reports. The Senate continues to possess and exercise the powers possessed by it before the passing of the Act of 1889 so far as they are not modified or altered by that Act or by the Act of 1858. The Principal, as President, has a deliberative and a casting vote. One third of the Senate constitute a quorum.

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## FACULTIES.

The Universities Commissioners, by Ordinance No. 31, dated 5th June, 1893, as amended by the University Court Ordinances Nos. viii., xix., xxxi., xxxiv. and xl., settled the constitution of the several Faculties in this University, as follows:—I. The Faculty of Arts consists of the Professors of the following subjects, viz., English Language and Literature, Humanity, Greek, Hebrew and Semitic Languages, Mathematics, Natural Philosophy, Logic and Rhetoric, Moral Philosophy, History, Scottish History and Literature, Political Economy.<sup>1</sup> II. The Faculty of Science consists of the Professors of the following subjects, viz., Mathematics, Natural Philosophy, Astronomy, Chemistry, Zoology, Geology, Botany, Anatomy, Physiology, Civil Engineering and Mechanics, Naval Architecture, Mining. III. The Faculty of Medicine consists of the Professors of the following subjects, viz., Natural Philosophy, Chemistry, Zoology, Botany, Anatomy, Physiology, Pathology, Materia Medica, Medicine, Surgery, Midwifery, Forensic Medicine, Pathology (St. Mungo—Notman—Chair), Obstetrics and Gynaecology (Muirhead Chair), Medicine (Muirhead Chair), Surgery (St. Mungo Chair). IV. The Faculty of Law consists of the Professors of the following subjects, viz., Law, Forensic Medicine, Conveyancing, Political Economy.<sup>1</sup> V. The Faculty of Divinity consists of the Professors of the following subjects, viz., Divinity, Divinity and Biblical Criticism, Ecclesiastical History, Hebrew and Semitic Languages. The University Court has power to transfer Chairs from one Faculty to another, and in the event of the foundation of new Chairs, to determine to which Faculty or Faculties such Chairs shall belong.

The Professors constituting each Faculty annually elect one of their number to be Dean of the Faculty.

<sup>1</sup> See Ordinance No. 149, Section i.

## LECTURERS.

By Ordinance No. 17 of the Universities Commission (1889), the University Court is empowered to appoint, after consultation with the Senatus, Lecturers, whose teaching shall (unless otherwise determined by the University Court) qualify for graduation. They are appointed for a period not exceeding five years, but may be re-appointed. University Assistants or Demonstrators are eligible for appointment as Lecturers and *vice versa*; and both offices may be held at the same time by the same person.

Ordinance No. 65 provides that the classes of University Lecturers shall be conducted at the seat of the University, *i.e.* in the city of Glasgow and the immediate neighbourhood thereof, that no classes conducted by Lecturers elsewhere shall qualify for graduation in any Faculty, and that University Lecturers shall be in all respects subject to the discipline of the Senatus Academicus and of the University Court.

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BOARDS OF STUDIES.

By Ordinance No. 11 of the Universities Commission (1889), it is provided that the Senate shall institute Boards of Studies corresponding as nearly as may be to the departments of study for graduation in Arts. Each Board of Studies consists of the Principal, the Dean of the Faculty of Arts, and such other members of the Senate and Lecturers in the University as the Senate may from time to time select, a member of the Board being appointed Convener by the Senate. The functions of these Boards are defined in University Court Ordinance No. XXIII., sections xix. and xx.

Provision is made in Ordinance No. 42 for the institution of one or more Boards of Studies in each of the Faculties of Medicine and Science. In Medicine the constituent members of the Board or Boards are Professors in the Faculty of Medicine, together with such Professors in other Faculties whose subjects qualify for graduation in Medicine, and such Lecturers in the University as the Senate may from time to time select. The Board or Boards of Studies in Science are similarly constituted *mutatis mutandis*. The Dean of the Faculty of Medicine is Convener of each Board of Studies in Medicine; the Senate appoints the Convener of each Board of Studies in Science.

In the University Court Ordinance of 1913, by which the Royal Technical College, Glasgow, was affiliated to the University of Glasgow, provision is made for the institution of a Joint Board of Studies in Applied Science.

#### UNIVERSITY ASSISTANTS OR DEMONSTRATORS.

By Ordinance No. 17 of the Universities Commission (1889), the University Court is empowered to determine, after consultation with the Senatus, the number and grade of the Assistants, if any, to be assigned to each Professor. The appointments are made by the University Court on the recommendation of the Professors. The duties of each Assistant are defined by the Professor, with the approval of the Senate. The Assistants are recognized as Officers of the University, and are styled University Assistants or Demonstrators, as the University Court may determine.

The Arnott and Thomson Demonstratorship, founded in 1875, is attached to the Chair of Natural Philosophy; the Muirhead Demonstratorship, founded in 1877, to the Chair of Physiology; the Baxter Demonstratorship in Geology, founded in 1889, to the Chair of Geology; and the Weir Assistantship in Materia Medica, founded in 1914, to the Chair of Materia Medica and Therapeutics.

There is also an Assistantship to the Professor of Engineering, which was founded in 1876 by the bequest of Mrs. Black, widow of the Rev. Dr. Black, Barony Church, Glasgow, and designated, in memory of her father, the Young Assistantship. The appointment is made by the University Court in conjunction with the Professor of Engineering.

#### EXAMINERS FOR DEGREES.

By Ordinance No. 13, Sections xiv.—xvi., of the Universities Commission. (1889), the Examiners for graduation in Arts, Science, and Medicine respectively are the Professors whose subjects qualify for graduation, together with such Lecturers in the University and such additional Examiners, appointed by the University Court, as the Court may deem necessary. In the case of Medicine, the Court is required to make such provisions as will ensure that every candidate shall be examined in each subject by at least two Examiners, one of whom shall not be a Professor or Lecturer in the University.



By Ordinances No. 39, Section vii., and No. 40, Section vii., of the Universities Commission (1889), the Examiners for graduation in Law are the Professors and Lecturers whose subjects qualify for graduation, and additional Examiners appointed by the University Court.

By Ordinance No. 63, Section ii., of the Universities Commission (1889), the Examiners for graduation in Divinity are the Professors of or Lecturers on the subjects included in the examinations, and two additional Examiners appointed by the University Court.

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### GENERAL COUNCIL.

The General Council as constituted by the Scottish Universities Act, 1858 (21 and 22 Vict., chap. 83), by the Representation of the People (Scotland) Act, 1868 (31 and 32 Vict., chap. 48), and by the Universities Elections Amendment (Scotland) Act, 1881 (44 and 45 Vict., chap. 40), consists of the following *ex officio* Members, viz., the Chancellor, the Members of the University Court from and after their first election, and the Professors, and also of the following persons after registration, viz., all Masters of Arts of the University, and all persons on whom the University has, after examination, conferred the Degree of Doctor of Medicine, or Doctor of Science, or Bachelor of Divinity, or Bachelor of Laws, or Bachelor of Medicine, or Bachelor of Science, or any other Degree instituted since 13th July, 1868; and also all persons who, previous to the 2nd August, 1861, had, as matriculated students, given regular attendance on the course of study in this University for four complete sessions, or such regular attendance for three complete sessions in this University, and regular attendance for one such complete session in any other Scottish University, the attendance for at least two of such sessions having been on the course of study in the Faculty of Arts.

Members of the Council must have their names enrolled in a book kept for the purpose by the Registrar. The Register of the Council is made up annually in the month of December, for the year following, and includes the names of all members entered on the Registration Book on or before the 30th day of November in each year. The Registration Fee, which is a payment for life, is 20s.

By section 16 of the Act 44 and 45 Vict., chap. 40, it is enacted that no person shall be allowed, after examination, to graduate at any of the Universities of Scotland until he shall have paid the Registration Fee; and it is further enacted that every person who has hitherto been, or who shall in the future become, *ex officio*, a member of the General Council of any of the Universities shall, on payment of the Registration Fee, be put and continued on the Register of Members of General Council of such University during his life, and shall be entitled to all the privileges of a Member of Council. The Act also provides that no person, subject to any legal incapacity, shall be entitled to vote at any parliamentary election, or exercise any other privilege as a member of the General Council.

The corrupt payment of any Registration Fee is punishable as bribery.

The Council meets twice every year—viz., on the last Wednesday of October, and the last Wednesday of April. In addition to these statutory meetings the Council may hold special meetings at the instance of the Chancellor, who shall convene such meetings on a requisition from a quorum of members, and the Council may adjourn any meeting, and may appoint committees to investigate into and report upon any matter remitted to them, or to carry out instructions given to them by the Council. The quorum of the General Council has been fixed by the Universities Commissioners at ten for every complete thousand or fraction of a thousand on the Register, so that for the present year one hundred members are requisite to constitute a quorum, there being 9307 names on the Register, but this provision does not apply to the statutory half-yearly meetings. It is competent to the Council to take into consideration all questions affecting the well-being and prosperity of the University, and to make representations from time to time to the University Court, who shall return to the Council their deliverances thereon. The annual reports as to the statistics of attendance and as to the finances of the University, made by the University Court to the Secretary for Scotland, are to be laid by him before the General Council. To it are also to be communicated all new ordinances, or changes of existing ordinances, which may be proposed by the University Court.

The Chancellor and four of the Assessors in the University Court are elected by the Council. The manner in which these

officers are elected is regulated by Ordinance No. 9 of the Universities Commission (1889). The President of the Council is the Chancellor; whom failing, the Rector; whom failing, the Principal; whom failing, the Chancellor's Assessor; whom failing the Rector's Assessor. In the absence of all these officials, a Chairman shall be elected by the meeting; but in the election of Assessors the members of Senate may not take part.

The General Councils of the Universities of Glasgow and Aberdeen jointly return a representative to Parliament. The Vice-Chancellor of Glasgow University is the returning officer.

*Members of Parliament for the Universities of Glasgow and Aberdeen.*

1868. Right Hon. James Moncrieff, LL.D., Lord Advocate.

1869. Right Hon. Edward S. Gordon, LL.D., Dean of the Faculty of Advocates.

1876. Right Hon. William Watson, LL.D., Lord Advocate.

1880. Right Hon. James Alexander Campbell, LL.D.

1906. Sir Henry Craik, K.C.B., LL.D.

1910. SIR HENRY CRAIK, K.C.B., LL.D.

## STUDENTS' REPRESENTATIVE COUNCIL.

The constitution and functions of the Students' Representative Council are regulated by Ordinance No. 60, the provisions of which are as follows :—

I. The Students' Representative Council in each University shall submit to the University Court for approval the regulations under which it has been formed or now exists, and these regulations as approved, or with such alterations as may from time to time be approved by the University Court, shall form the constitution of the Students' Representative Council, and shall, subject to the provisions of this Ordinance, determine the functions thereof, and the mode of election thereto.

II. After the University Court has approved of the constitution of a Students' Representative Council in any University, alterations in the said constitution shall be of no effect unless and until they shall receive the approval of the University Court.

III. (1) The Students' Representative Council shall be entitled to petition the Senatus Academicus with regard to any matter affecting the teaching and discipline of the University, and the Senatus Academicus shall dispose of the matter of the petition, or shall, if so prayed, forward any such petition to the University Court, with such observations as it may think fit to make thereon.

(2) The Students' Representative Council shall be entitled to petition the University Court with regard to any matter affecting the students other than those falling under the immediately preceding sub-section.

(3) Nothing contained in this section shall be held to prejudice any right of appeal which may be competent under section 6, sub-section 2, of the Universities Act, 1889, nor the powers and jurisdiction of the Senatus Academicus with regard to the teaching and discipline of the University.

The Council at present consists of representatives (both men and women) from the different Faculties in the University, and its aims are (1) to represent the Students in matters affecting their interests; (2) to afford a recognized means of communication between the Students and the University authorities; (3) to promote social and academic unity among the Students. A Union Committee appointed by the Council completed in Session 1889-90 the arrangements for opening the "Glasgow University Union." The Council has various Sub-Committees—an Inter-Universities Committee, a Magazine Committee, which conducts during the session the "Glasgow University Magazine" (published weekly), an Amusements Committee, a Lodgings Committee, a Chapel Committee, and a Book Exchange Committee.

*Presidents of the Students' Representative Council.*

1885-86 to 1899-1900. (See *University Calendar*, 1912-13, and previous years.)

1900-1901. John Muir, B.Sc.  
 1901-2. E. R. Mitchell, M.A.  
 1902-3. D. A. Dick.  
 1903-4. G. J. Spreull, LL.B.  
 1904-5. F. W. Saunders, B.D.  
 1905-6. R. H. Napier, M.A.  
 1906-7. J. C. Watson.  
 1907-8. Robert E. Lee, M.A.  
 1908-9. James B. Galbraith.

1909-10. James Hendry, M.A.,  
 B.Sc.  
 1910-11. Robert Gibson, M.A.,  
 B.Sc.  
 1911-12. John Boyd, M.A.  
 1912-13. Ian D. Grant.  
 1913-14. R. H. Williamson.  
 1914-15. Archibald Rae.  
 1915-16. ARCHIBALD RAE, M.A.

## STUDENTS.

Number of Students in the several Faculties :

	WHOLE SESSION, 1915-16.	SUMMER, 1916.	TOTAL.
<b>MEN.</b>			
In Arts, - - - - -	250	1	251
Science, - - - - -	205	1	206
Theology, - - - - -	36	3	39
Medicine, - - - - -	536	55	591
Law, - - - - -	46	—	46
Arts and Science, - - - - -	17	—	17
Arts and Theology, - - - - -	2	—	2
Arts and Medicine, - - - - -	2	—	2
Arts and Law, - - - - -	1	—	1
Science and Medicine, - - - - -	6	—	6
Single class enrolment, - - - - -	3	—	3
	1104 <sup>1</sup>	60	1164
<b>WOMEN.</b>			
In Arts, - - - - -	404	—	404
Science, - - - - -	35	—	35
Medicine, - - - - -	187	21	208
Law, - - - - -	2	—	2
Arts and Science, - - - - -	4	—	4
Science and Medicine, - - - - -	5	—	5
Single class enrolment, - - - - -	0	—	—
	637	21	658
Total, - - - - -	1741	81	1822

Ordinance No. 50 of the Universities Commission (1889) requires that each student shall pay a matriculation fee of One Guinea, at the commencement of each winter session, for the whole academical year then next ensuing; and any student desirous of attending a class or classes during a summer session, without having matriculated at the commencement of the immediately preceding winter session, shall in respect of such summer session pay a matriculation fee of half a guinea.

Ordinance No. 147 contains the following regulation

<sup>1</sup> This number was appreciably diminished during the session by the withdrawal of students going on Military Service.

with regard to matriculated students:—No person shall be deemed to be a matriculated student in any University or shall enjoy any of the privileges of a matriculated student unless, in addition to paying the matriculation fee, he is enrolled as a student in attendance in one or more classes in the University [or on one or more approved courses in a college affiliated thereto],<sup>1</sup> and has paid the fees entitling him to such attendance: provided that nothing herein contained shall affect the right of the University Court to exact a fee in lieu of and not exceeding the matriculation fee from any candidate for any examination or for graduation, not being at the time a matriculated student, in addition to the fee payable for such examination or graduation.

Ordinance No. 50 empowers the University Court in special circumstances to permit persons who have not matriculated to attend any single class in any Faculty, on payment of an Entrance Fee of Five Shillings in addition to the authorized class fee, subject to the following provisions, viz.:—(1) That attendance on any class without payment of the matriculation fee shall not qualify for graduation in any Faculty, (2) that persons who have not paid the matriculation fee shall not be entitled to a certificate of attendance on any class, and (3) that payment of such entrance fee shall not confer any University privilege other than the right of attendance on such class.

By Ordinance No. 18 of the Universities Commission (1889) the University Court was empowered to admit women to graduation, and to provide for their instruction, either by admitting them to the ordinary classes, or by instituting separate classes for their instruction. Under this ordinance women were for the first time admitted as matriculated students of this University in Session 1892-93.

Medical students have access, for the usual attendance in the wards and on the Clinical Lectures, to the Royal Infirmary situated in the Eastern part of the city, and to the Western Infirmary in the immediate vicinity of the University. In the Royal Infirmary provision is made for the clinical instruction of women.

A distinction is made between Public and Private students. The former are required to undergo examinations, and to

<sup>1</sup> See University Court Ordinance No. XXXIX. (Glasgow No. 12).

read or perform exercises on the subjects treated of in the lectures,—and they only are allowed to reckon their sessions of study as a qualification for proceeding to degrees in the several Faculties.

Men students matriculate at Gilmorehill and women students at Queen Margaret College. Students are entitled, after matriculation, to the privilege of admission to the University Library and to the Hunterian Museum; after matriculation and class enrolment, they are entitled to vote for the Lord Rector.

In former times the students were divided into Togati and Non-Togati—the students of the Humanity, Greek, Logic, Ethics, and Natural Philosophy classes being Togati or gown students, from being required to wear the ancient academical robe—a scarlet gown. Now all students are entitled to wear the gown.

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#### UNIVERSITY CHAPEL.

The University Chapel is under the management of a Committee of Senate of which the Principal is Convener.

Public Worship is celebrated on certain Sundays during the Session at 3 P.M., in the Bute Hall. The services are conducted by graduates of this University and other clergymen of various denominations.

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#### GYMNASIUM.

This building was erected by public subscription, and fitted according to the most improved models, under the superintendence of the late Mr. Maclaren of Oxford, at a total cost of £2600, and was opened in January, 1872.

Gymnastic, Physical Culture, Boxing, and Fencing classes are held during the session, and the American game of Basket Ball has been successfully introduced. Mr. James Hughes conducts the classes in Gymnastics and Fencing. Gymnastic classes meet on three days a week, to be arranged, from 10 A.M. to 1 P.M., and from 4.30 P.M. to 5.30 P.M. Each class meets three times a week, and students may join any class which is convenient for them.

Gentlemen not connected with the University are admitted to the use of the Gymnasium, and a special evening class is formed for their benefit, which meets on Mondays and Thursdays from 8 P.M. till 10 P.M. Students may join this class, if they wish.

*Fees.*—Gymnastics. *For all Students:* One month, 5s.; Two months, 8s. 6d.; Three months, 12s.; Six months, 20s. *For Non-Students:* the Quarter (*i.e.* twice a-week for three months), 15s.; whole season (seven months), 35s. Fencing and Boxing: 12s. for a course of twelve lessons. Special arrangements are made for the summer session.

The Oxford Silver Medal, presented annually by the late Mr. Maclaren, for competition among the students, is continued by the Gymnasium; but, owing to the war, no competition was held in 1916.

A Badge presented by the Ladies of the University is awarded to the runner-up in the medal competition; no award was made in 1916.

In 1899 Professor Ramsay presented to the Gymnasium a Silver Challenge Cup for annual competition among teams representing the four Nations into which students are divided in voting at the Rectorial elections. It was decided, on account of the war, to hold no competition in 1916.

Gymnastic classes for members of Queen Margaret College are also arranged.

The Gymnasium is managed by a joint-committee of professors and students.

*Hon. President,* Professor F. O. Bower, Sc.D., F.R.S.

*Hon. Treasurer,* Alan E. Clapperton, B.L., LL.D., 91 West Regent Street, Glasgow.

*Hon. Secretary,* (vacant).



## COMMITTEE FOR EXTERNAL EXAMINATIONS AND APPOINTMENTS.

[*Note.*—The information given below regarding the public services as they are in normal times may be greatly modified or cancelled during the war.]

This Committee is appointed for the double purpose of spreading information among students regarding public examinations and appointments outside the University and of acting as a nominating body in the case of candidates for appointments where such preliminary nomination is required. All candidates should, as early as possible in their University Course, have an interview with the Convener or Secretary of the Committee. The following information about some of the chief examinations and appointments for which a University training is suitable must not be regarded as complete, but may be useful as indicating the scope of the Committee's work.

*Clerkships, Class I., in the Home Civil Service:*

*Civil Service of India:*

*Eastern Cadetships (Ceylon, Hong Kong, Straits Settlements) in the Colonial Service.*

About 120 posts are filled by open competition as the result of a joint examination held annually in London in August. Names must be entered by June 1st on a prescribed form, to be obtained from the Secretary to the Civil Service Commission, Burlington Gardens, London, W.

Candidates must have attained the age of 22, and must not have attained the age of 24 on August 1 of the year of the examination. An entrance fee of £6 is payable by each competitor. There is a choice of twenty-five subjects, marked at varying values. None of these is compulsory, although it is customary for every candidate to take the English Composition—an Essay—marked at 500 maximum. The chief restraint on the choice of a candidate is that the maximum number of marks which can be obtained from the subjects chosen must not exceed 6000.

All the subjects are examined up to a high honours standard, and an intending competitor should be capable of obtaining First or good Second Class Honours in at least one Honours group, or of gaining distinction in the examination for the B.Sc. degree.

*Civil Service of Egypt and the Soudan.*

Names are forwarded in the first instance by the appointments Boards of Universities, and candidates are selected from such nominees by a Committee appointed by the Government of Egypt. The necessary qualifications for nomination are a good degree, physical fitness, and (especially important) proved capacity of management in such ways as are open to school-boys or undergraduates. Candidates should be over 22 and under 25 on Oct. 1.

*Indian Education Department.*

Professorships in Government Colleges, Inspectorships of Schools, Headmasterships in certain Secondary Schools, Superintendentships of Schools of Arts.

The limits of age are 23 to 30. The qualifications are an Honours degree, a University diploma, experience as a teacher, knowledge of special subjects, bodily activity and proficiency in games.

Application for forms of entry must be made in the first instance to the Secretary of the Scotch Education Department. The form, when filled up, should be sent with the necessary testimonials to the Convener or Secretary of the University Appointments Committee. The appointments are made, as vacancies occur, by the Secretary of State for India out of the list of names forwarded by this and similar Committees.

*Commissions in the Regular Forces.*

Graduates of a Scottish University, either M.A. or B.Sc., are eligible for Commissions in the Army, but must prepare themselves during their student career by a course of lectures in military subjects and of practical training. The age limit for graduates is 20-25 for the British Army, 20-24 for the Indian Army.

*Police Service of India, Hong Kong, Straits Settlements, and Federated Malay States.*

A number of posts in the Indian Service are offered for competition every year: posts in Further India are filled up as vacancies occur. When necessary, one examination is held for both services, and candidates may sit it either in London, in which case the fee is £2, or in Edinburgh, in which case the fee is £3. Names must be entered by May 1st on a prescribed

form to be obtained from the Secretary, Judicial and Public Department, India Office, London. The examination is held in June or July. The limits of age for candidates are 19-21. There is a choice of nine subjects (Mathematics counting as two), all bearing the same maximum of marks (2000). Of these English, English History and Geography, Elementary Mathematics, and French or German, are compulsory. Any two other subjects may be offered. Freehand Drawing, however, is an optional additional subject, not included in the nine, and carrying 400 marks. The standard is that of Honours or of a good all-round Ordinary degree.

#### *Colonial Appointments.*

There are a large number of posts in Colonies administered by the Colonial Office, to which appointments are made directly by the Secretary of State for the Colonies. There is a steady demand for young qualified medical men: there is not much opening for lawyers or chartered accountants: a few appointments are made every year to administrative posts of various kinds. The chief openings are in Nigeria, East Africa, and Uganda, but vacancies also occur in other places. Candidates must be over 24 years of age, and application must be made to the Secretary of State for the Colonies, Downing Street, London, whose Private Secretary will supply a form to be filled up. It is essential that anyone desiring a Colonial post should interview the Private Secretary at the earliest opportunity. There is no examination; appointments are made when vacancies occur, so that applicants will be obliged to wait at least six months. The official form, when filled up, should be sent in through the Convener of the University Appointments Committee.

#### *Examinerships in the Exchequer and Audit Departments:*

#### *Surveyorships of Taxes:*

#### *Junior Appointments in the Supply and Accounting Departments of the Admiralty:*

#### *Second-class Assistant Accountants in the Army Accounts Department:*

#### *Junior Appointments in the Royal Ordnance Factories.*

These are all combined, so far as there are vacancies, in one examination. The limits of age are 18 and 19½ on May 1 or

November 1. There is an entrance fee of £3. The only compulsory subjects are English and Elementary Mathematics. There are a number of other subjects in which papers are set on two standards marked at 2000 and 4000 respectively. The maximum number of marks which can be obtained from the subjects chosen must not exceed 14,000. A candidate must include one language among his chosen subjects. The standard is that of a fair Ordinary degree.

Other services for which a good degree (M.A. or B.Sc.) may be a suitable preparation are Student Interpreterships in the Ottoman Dominions, Persia, Greece, and Morocco, and in China, Japan, and Siam; the Consular Service; Indian Forest Service; Assistantship in special departments in the British Museum; Assistant Examinerships in the Patent Office; Junior Inspectorships in the Board of Education, Whitehall; Administrative posts in Crown Colonies. Information about these and other posts may be obtained from the Convener or Secretary of the University Committee.

For graduates with a degree in Engineering there are openings as Assistant Engineers in the Indian Public Works, in the Admiralty, and in the General Post Office.

For graduates with a Medical degree information can be supplied about the Indian Medical Service, medical appointments in the Colonies and Protectorates, the Royal Army Medical Corps, and the Medical Department of the Royal Navy.

In addition to these public appointments, the Committee receives intimation of various tutorial and school posts, as well as other forms of temporary work open to graduates and undergraduates. A number of commercial firms are also willing to take good men after a college course, and offer attractive prospects. It is important that any one who thinks of a commercial career should have an interview with the Secretary of the Appointments Committee as early as possible in his course.

The Committee consists of the Principal, Professors Bower, Sir J. H. Biles, Sir Henry Jones, Muir, Phillimore, Gray, Medley, Latta, Dixon, Latham, Gibson, Hunter, Rait, Cormack, Scott, The Lord Provost, Dr. William Lorimer, Mr. Robert Graham, Colonel A. B. Grant, Dr. R. A. Duff, Miss Melville, B.D., and Miss May, M.A.—Professor Medley, Convener; Dr. R. A. Duff, Secretary.

## II.—TABLE OF UNIVERSITY FEES.

## I.—MATRICULATION FEES [Ord. No. 50, Sec. i.].

At the commencement of each Academical Year, which extends from 1st October to 30th September, and includes both Winter and Summer Sessions, ... £1 1 0

At the commencement of each Summer Session, if the Student has not matriculated for the Academical Year then current, ... 0 10 6

## II.—ENTRANCE FEES [Ord. No. 50, Sec. ii.].

On admission of persons who are not matriculated Students to any single class, *if permitted by the University Court in special circumstances*, ... 0 5 0

N.B.—Attendance under this Regulation does not qualify for Graduation, and no Certificate for such attendance is given. The Entrance Fee confers no University privileges other than the right of attendance above mentioned.

## III.—ENROLMENT FEES [Ord. No. 12, Sec. v., Ord. No. 14, Sec. viii. 5, Ord. No. 23, Sec. vi., Ord. No. 134, Sec. v., U.C. Ord. No. xxxi., Sec. ix. 5].

At the commencement of each year of attendance on the lectures of Extra-Academical Teachers in Glasgow, whose Lectures are recognised for Graduation in Medicine or Science, ... 1 1 0

## IV.—EXAMINATION FEES.

Preliminary Examinations in Arts, Science, or Medicine —[Ord. No. 13, Sec. xii.].

On each entry for Examination, ... 0 10 6

Degree of Master of Arts (M.A.)—[Ord. No. 50, Sec. iii.].

The Fee for this Degree is ... 5 5 0

Payable £1 ls. on entering for Examination in each subject till £5 5s. are paid.

The Fee for Examination of a Master of Arts in any subject named in Section viii. of U.C. Ord.

No. xxiii. is ... 1 1 0

The Examination Fee for a Certificate of Proficiency under U.C. Ord. No. xxiii., Sec. xiii. b., is ... 2 2 0

Degree of Bachelor of Science (B.Sc.)—[Ord. No. 50, Secs. iv.–vii.].

The Fee for this Degree is ... 6 6 0

Payable £1 ls. on entering for Examination in each subject till £6 6s. are paid.

The Fee for Examination of a Bachelor of Science (Pure Science), in any additional subject is ... 3 3 0

The Fee for Examination of a Bachelor of Science (Engineering) in any additional subject is ... 1 1 0

Diploma in Education—

On entering for Examination, ... 2 2 0

Certificate in Engineering Science—

On entering for last subject of Examination, ... 1 1 0

Degree of Doctor of Letters (D.Litt.)—[U.C. Ord. No. xxvi., Sec. xiv.]			
On lodging Thesis, ... ..	£10	10	0
Degree of Doctor of Philosophy (D.Phil.)—[U.C. Ord. No. xxvi., Sec. xiii.]			
On lodging Thesis, ... ..	10	10	0
Degree of Doctor of Science (D.Sc.)—[U.C. Ord. No. xxvi., Sec. xii.]			
On lodging Thesis, ... ..	10	10	0
Degrees of Bachelor of Medicine (M.B.), and Bachelor of Surgery (Ch.B.)—[Ord. No. 14, Sec. xxiii. and U.C. Ord. No. xxxi., Sec. xxiv.]			
On entering for First Professional Examination, ...	6	6	0
„ Second „ „ ...	6	6	0
„ Third „ „ ...	5	5	0
„ Fourth „ „ ...	5	5	0
Degree of Doctor of Medicine (M.D.)—Old Regulations—			
On lodging Thesis, ... ..	5	5	0
Degree of Doctor of Medicine (M.D.)—[Ord. No. 14, Sec. xxiii.]			
On entering for Examination or lodging Thesis, ...	10	10	0
Degree of Master of Surgery (Ch.M.)—[Ord. No. 14, Sec. xxiii.]			
On entering for Examination or lodging Thesis, ...	10	10	0
Degree of Doctor of Medicine (M.D.)—[U.C. Ord. No. xxxi., Sec. xxiv.]			
On entering for Examination or lodging Thesis, ...	15	15	0
Degree of Master of Surgery (Ch.M.)—[U.C. Ord. No. xxxi., Sec. xxiv.]			
On entering for Examination or lodging Thesis, ...	15	15	0
Degree of Bachelor of Laws (LL.B.)—[Ord. No. 50, Sec. xii.]			
The Fee for this Degree is ... ..	6	6	0
Payable £1 ls. on entering for each subject till £6 6s. are paid.			
Degree of Bachelor of Law (B.L.)—[Ord. No. 50, Sec. xi.]			
The Fee for this Degree is ... ..	5	5	0
Payable £1 ls. on entering for each subject till £5 5s. are paid.			
Degree of Bachelor of Divinity (B.D.)—[Ord. No. 50, Sec. xiii.]			
On entering for Examination in First Department, ...	2	12	6
„ „ Second „ „ ...	2	12	6

#### V.—CLASS FEES (see Index).

#### VI.—LIBRARY FEES [Ord. No. 64, Secs. x.-xiii.].

Each Member of the General Council, each year (commencing 1st October) in which he wishes use of Library, ... ..	0	10	6
Or,			
This may be compounded for by a single payment of ...	5	5	0
Every Matriculated Student enrolled in a Class, and every Extra-Mural Student, who wishes use of Library, a deposit of ... ..	1	0	0
Special Readers—each year in which the privilege is granted, ... ..	0	10	6

## VII.—REGISTRATION FEE.

All Candidates proceeding to Graduation after Examination who are not already members of the General Council are required by the Act 44 and 45 Vict., Ch. 40, to pay the Registration Fee, with a view to their names being enrolled in the General Council. The

Fee is .. .. . £1 0 0

## III.—SEPARATE FACULTIES AND CLASSES.

## A. ARTS.

In the Faculty of Arts the twenty-five teaching weeks of the session are distributed over three terms as follows:

First term begins on 16th October, and ends on 22nd December, 1916.

Second „ „ 9th January, „ „ 22nd March, 1917.

Third „ „ 25th April, „ „ 25th May, 1917.

## B. OTHER FACULTIES.

In the Faculties of Science, Medicine, and Law, the Session falls into two parts, a Winter and a Summer Session; in the Faculty of Theology the teaching meanwhile does not extend beyond the Winter Session.

The Winter Session begins on 16th Oct., 1916, and ends on 22nd Mar., 1917.

The Summer „ „ 25th Apr., 1917, „ „ 4th July, 1917.

## C. CLASS-HOURS AND CLASS-FEES.

I.—ARTS.<sup>1</sup>

Classes.	Hours.	Class Fees.	
<i>Latin</i> , . . . . .	9 a.m., . . . . .	£4 4	} PROF. PHILLIMORE.
— <i>Intermediate</i> , . . . . .	1 p.m., . . . . .	4 4	
— <i>Honours</i> , . . . . .	11 a.m., . . . . .	4 4	
— <i>Prose</i> , . . . . .	(One day weekly in each class),	1 1 <sup>2</sup>	} Mr. S. N. Miller.
* <i>Roman Britain</i> , . . . . .	9 a.m., one day weekly,	1 1 <sup>2</sup>	
* <i>Roman History (Intermediate and Honours)</i> ,	1 p.m.,	4 4	
<i>Greek</i> , . . . . .	8 a.m., . . . . .	4 4	} PROF. DAVIES.
— <i>Intermediate</i> , . . . . .	12 noon, . . . . .	4 4	
— <i>Honours</i> , . . . . .	10 a.m., M., W., F.,	4 4	
— <i>Prose</i> , . . . . .	(once weekly), . . . . .	1 1 <sup>3</sup>	

<sup>1</sup> Students paying individual fees in Arts are allowed to take the same Class a second time on payment of half the usual fee.

<sup>2</sup> Payable only by Students not enrolled for "Latin" (£4 4s.).

<sup>3</sup> Payable only by Students not enrolled for "Greek" (£4 4s.).

NOTICE AS TO PRACTICAL CLASSES.—Students are required to begin practical work at the commencement of each term. Unless by special leave, no student can be admitted to a practical class who does not present himself within the first week.

Inclusive Fees in Arts, Science, and Law—See Index.

\* These classes may have to be suspended during the session 1916-17.

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	
* <i>Hellenistic Greek</i> (alternative to <i>Greek Intermediate</i> ), (see p. 87), . . .	. . .	£4 4	Mr. W. Rennie.
* <i>Non-qualifying Greek</i> , . . . (see p. 87), . . .	. . .	4 4	Mr. A. W. Gomme.
* <i>Greek History</i> (alternative to <i>Greek Intermediate</i> ), Hours to be arranged, . . .	. . .	4 4	Mr. J. B. Hutton.
<i>English</i> , . . . 11 a.m., . . .	. . .	4 4	} PROF. DIXON.
— <i>Intermediate</i> , . . . 11 a.m., . . .	. . .	4 4 <sup>1</sup>	
— <i>Honours</i> , . . . 12 noon (see p. 90), . . .	. . .	4 4	
<i>British History, Honours</i> , . . . 9 a.m., . . .	. . .	4 4	Mr. J. B. Black.
<i>French</i> , . . . 12 noon, . . .	. . .	4 4	} M. Charles Martin.
— <i>Intermediate</i> , . . . 10 a.m., . . .	. . .	4 4	
— <i>Honours</i> , . . . 10 a.m., . . .	. . .	4 4	
<i>German</i> , . . . 10 a.m., . . .	. . .	4 4	} Dr. H. Smith.
— <i>Intermediate</i> , . . . 9 a.m., . . .	. . .	4 4	
— <i>Honours</i> , . . . 9 a.m., . . .	. . .	4 4	
— <i>Elementary</i> , . . . (see p. 96), . . .	. . .	2 2	
<i>English Language, Honours or Higher Ordinary</i> (see p. 90), . . .	. . .	4 4	Mr. R. Girvan.
<i>Italian</i> , . . . 2 p.m., . . .	. . .	4 4	} Dr. E. Grillo.
— <i>Honours</i> , . . . (see p. 96), . . .	. . .	4 4	
— <i>for Honours in English</i> (see p. 96), . . .	. . .	4 4	
— <i>Elementary</i> , . . . (see p. 97), . . .	. . .	2 2	} PROF. STEVENSON.
<i>Hebrew, Junior</i> (Oct.-Mar.), 10 a.m., . . .	. . .	3 3	
— <i>Senior</i> (Oct.-Mar.), 11 a.m. (see p. 188), . . .	. . .	4 4	
— <i>Honours</i> , . . . 9 a.m., three days weekly, . . .	. . .	4 4	
— (Half Course), . . .	. . .	2 2	} Vacant.
* <i>Syriac</i> (Oct.-Mar.), . . . (see p. 189), . . .	. . .	2 2 <sup>2</sup>	
* <i>Hebrew, Elementary</i> (Oct.-Dec.), (see p. 188), . . .	. . .	2 2	
<i>Arabic, Elementary</i> , . . . (see p. 189), . . .	. . .	2 2 <sup>2</sup>	} Mr. T. H. Weir.
— <i>Ord. or Hons.</i> , (Oct.-Mar.), (see p. 189), . . .	. . .	4 4	
— (Half Course), (see p. 189), . . .	. . .	2 2	
<i>Celtic</i> , . . . 4 p.m., . . .	. . .	4 4	} Mr. Calder.
— <i>Intermediate</i> , . . . (see p. 99), . . .	. . .	4 4	
— <i>Honours</i> , . . . (see p. 99), . . .	. . .	4 4	
— <i>Elementary</i> , . . . (see p. 99), . . .	. . .	2 2	} PROF. LATTA.
<i>Logic and Metaphysics</i> , . . . 9 a.m., . . .	. . .	4 4	
— <i>Higher Ordinary</i> , . . . 10 a.m., . . .	. . .	4 4	
— <i>Honours</i> , . . . 11 a.m., . . .	. . .	4 4	} Dr. H. J. Watt.
<i>Experimental Psychology</i> , . . . 10 a.m., . . .	. . .	4 4	
— <i>Advanced</i> , (see p. 101), . . .	. . .	2 2	} PROF. SIR HENRY JONES.
<i>Moral Philosophy</i> , . . . 8 a.m., . . .	. . .	4 4	
— <i>Intermediate</i> , . . . (see p. 102), . . .	. . .	4 4	
— <i>Honours</i> , . . . 12 noon, . . .	. . .	4 4	} Dr. R. A. Duff.
<i>Political Philosophy</i> , . . . 4 p.m. (see p. 103), . . .	. . .	3 3 <sup>3</sup>	
<i>Political Economy</i> , . . . 2 p.m., . . .	. . .	4 4	} PROF. SCOTT.
— <i>Honours</i> , . . . 3 p.m., . . .	. . .	4 4	
* <i>Social Economics</i> , . . . 4 p.m. (see p. 104), . . .	. . .	3 3 <sup>3</sup>	Mr. J. H. Jones.

<sup>1</sup> Students who desire to take in the same session this Intermediate Class and the Honours Language Class in English, may enrol for the latter class at a fee of £2 2s.

<sup>2</sup> For Students who are attending, or have attended, the Hebrew Class, the Fee is £1 1s.

<sup>3</sup> Fee for Political Philosophy and Social Economics taken in a single session, £5 5s.

NOTICE AS TO PRACTICAL CLASSES.—Students are required to begin practical work at the commencement of each term. Unless by special leave, no student can be admitted to a practical class who does not present himself within the first week.

Inclusive Fees in Arts, Science, and Law—See Index.

\* These classes may have to be suspended during the session 1916-17.



<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	
* <i>Economic History</i> , . . . . .	(see p. 105), . . . . .	£3 3	Vacant.
<i>Education</i> , . . . . .	4.15 p.m., . . . . .	4 4	Dr. W. Boyd.
<i>Mathematics</i> , . . . . .	8 a.m., or 12 noon, . . . . .	4 4	
<i>Higher Ordinary</i> , . . . . .	10 a.m., . . . . .	4 4	} PROF. GIBSON.
<i>Honours (Intermed.)</i> , . . . . .	10 a.m., . . . . .	4 4	
<i>Honours (Advanced)</i> , . . . . .	9 a.m., . . . . .	4 4	
<i>Natural Philosophy</i> , . . . . .	9 a.m., . . . . .	4 4	
<i>Higher Class C.</i> , . . . . .	12 noon, Mon., Tu., Th., . . . . .	4 4	} PROF. GRAY.
<i>Higher Class A.</i> , . . . . .	11 a.m., Mon.; and 12 noon, Wed., Fri., . . . . .	4 4	
<i>Higher Classes A. and C. in one Session</i> , . . . . .		5 5	
<i>Physical Laboratory, Whole Session</i> (6 hours weekly), . . . . .		6 6	
<i>Half</i> „ (6 hours weekly), . . . . .		3 3 <sup>1</sup>	
„ (10 hours weekly), . . . . .		4 4 <sup>1</sup>	
* <i>Astronomy, Class A.</i> , . . . . .	{ 3 p.m., Tues., Th., and Fri. (see p. 119), . . . . .	2 2	} PROF. BECKER.
* <i>Class B.</i> , . . . . .	{ 3 p.m., Mon., Wed., and Fri. (see p. 119), . . . . .	2 2	
* <i>Classes A. and B. in same Session</i> , . . . . .		4 4	
<i>Chemistry</i> , . . . . .	10 a.m., . . . . .	4 4	
<i>Chemical Laboratory</i> , . . . . .	10 a.m. to 4 p.m., . . . . .	10 10	} PROF. ———
<i>(Half Session)</i> , . . . . .		5 5 <sup>1</sup>	
<i>Zoology (Elementary)</i> , . . . . .	9 a.m., . . . . .	4 4	} PROF. GRAHAM KERR.
<i>Zoological Laboratory (Elementary)</i> , . . . . .	{ 11 a.m. or 3 p.m., . . . . .	3 3	
<i>Zoology (Spring Course)</i> , (see p. 141), 9 a.m., . . . . .		3 3 <sup>2</sup>	
<i>Evolution</i> (Jan.-Mar.), 4 p.m. Wed. (see p. 141). No fee.			
* <i>Heredity</i> (Jan.-Mar.), 9 a.m. Th. & Fri. (see p. 141), . . . . .		1 1 <sup>6</sup>	Dr. W. E. Agar.
<i>Botany, Advanced</i> , . . . . .	10 a.m. (see p. 139), . . . . .	3 3 <sup>3</sup>	} PROF. BOWER.
<i>Botanical Laboratory, Advanced</i> , (see p. 139), . . . . .		3 3 <sup>3</sup>	
<i>Botany [Half Course for M.A.]</i> , (Oct.-Dec.), . . . . .		4 4 <sup>5</sup>	} Mr. Drummond.
<i>(Apl.-June)</i> , . . . . .		3 3 <sup>5</sup>	
<i>Geology (Lectures and Practical)</i> , 4.30 p.m., . . . . .		5 5	PROF. GREGORY.
<i>Geography</i> , . . . . .	11 a.m., . . . . .	4 4	} Dr. Falconer.
* <i>Advanced</i> , . . . . .	9-11 a.m. (see p. 114), . . . . .	4 4 <sup>7</sup>	

<sup>1</sup> The Physical Laboratory (subject to Professor's permission) and the Chemical Laboratory may be attended also in the Summer Session (April-June). Fees same as for "Half Session."

<sup>2</sup> See fourth note on p. 70. There is also a Zoology Class in the Summer Session (April-June).

<sup>3</sup> See third note on p. 70. Advanced Courses are given also in the Summer Session (April-June).

<sup>4</sup> To be preceded for graduation purposes by the Winter Half Course (Oct.-Dec.).

<sup>5</sup> In both Half Courses in Botany the class hours are: Lectures, 12 noon; Laboratory, 12 noon—2 p.m.

<sup>6</sup> The course is open free to past or present members of the classes of Botany or Zoology.

<sup>7</sup> Fee for students who have already attended the Ordinary Class in Geography, £2 2s.

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**Inclusive Fees in Arts, Science, and Law—See Index.**

\* These classes may have to be suspended during the Session 1916-17.

Classes.	Hours.	Class Fees.	
<i>History</i> , . . . . .	10 a.m., . . . . .	£4 4	} PROF. MEDLEY.
— <i>Higher Ordinary</i> , . . . . .	10 a.m. (see p. 115), . . . . .	4 4	
* — <i>Honours</i> , . . . . .	11 a.m., . . . . .	4 4	
<i>Constitutional Law and</i> . . . . .	4.30 p.m., . . . . .	4 4	} Vacant.
— <i>History</i> , . . . . .	3 p.m., . . . . .	4 4	
— <i>Honours</i> , . . . . .	5.30 p.m., . . . . .	4 4	} Mr. W. Dunbar.
<i>Roman Law</i> , . . . . .	12 noon, . . . . .	4 4	
<i>Scottish History and Literature</i> , . . . . .	10 a.m., . . . . .	4 4	
* — <i>Higher Ordinary</i> , . . . . .	10 a.m., . . . . .	4 4	} PROF. RAIT.
* — <i>Honours</i> , . . . . .	10 a.m., . . . . .	4 4	

Beginning on Wednesday, 25th April, 1917.

<i>Hebrew, Senior</i> (esp. for B.D.), . . . . .	9 a.m., . . . . .	2 2	PROF. STEVENSON.
— <i>Honours</i> (Qual. Half-Course), . . . . .	10 a.m., . . . . .	2 2 <sup>1</sup>	PROF. STEVENSON.
* <i>Syriac</i> (Adv.) or <i>Comparative Semitic</i> } . . . . .		1 1	PROF. STEVENSON.
— <i>Philology and Aramaic</i> , . . . . .		2 2 <sup>2</sup>	} Mr. T. H. Weir.
<i>Arabic</i> (Elementary), . . . . .		2 2	
— (Advanced), . . . . .			

## II.—SCIENCE.<sup>3</sup>

WINTER SESSION, 1916-17.

Classes.	Hours.	Class Fees.	
<i>Mathematics</i> , . . . . .	8 a.m. or 12 noon, . . . . .	£4 4	} PROF. GIBSON.
— <i>Higher Ordinary</i> , . . . . .	10 a.m., . . . . .	4 4	
— <i>Honours</i> (Intermed.), . . . . .	10 a.m., . . . . .	4 4	
— <i>Honours</i> (Advanced), . . . . .	9 a.m., . . . . .	4 4	
— <i>First Course for Engineers</i> , . . . . .	12 noon, . . . . .	4 4	
* — <i>Second Course for Engineers</i> , . . . . .	11 a.m., . . . . .	4 4	} PROF. GRAY.
<i>Natural Philosophy</i> , . . . . .	9 a.m., . . . . .	4 4	
<i>Nat. Phil., Higher Class C.</i> , . . . . .	12 noon, Mon., Tu., Th., . . . . .	4 4	
<i>Nat. Phil., Higher Class A.</i> { . . . . .	11 a.m., Mon.; 12 noon, Wed., Fri., . . . . .	4 4	
— <i>B. (For Engineers)</i> , . . . . .	12 noon, Mon., Tu., Th., . . . . .	4 4	
— <i>A. and C. or A. and B. in One Session</i> , . . . . .		5 5	
<i>Physical Laboratory. Whole Session</i> (6 hours weekly), . . . . .		6 6	
— <i>Half</i> " (6 hours weekly), . . . . .		3 3	} Dr. G. E. Allan.
— " (10 hours weekly), . . . . .		4 4	
— (B.Sc. Public Health, Oct.-Dec., 6 hours weekly), . . . . .		3 3	
<i>Electricity</i> , . . . . .	12 noon, Wed. and Fri., . . . . .	3 3	

<sup>1</sup> Students who joined the Honours Hebrew Class in October are not required to pay this fee

<sup>2</sup> For Students who are attending, or have attended, the Hebrew Class, the fee is £1 1s.

<sup>3</sup> Any Graduate in Science shall be allowed to enter any Laboratory Course within the curriculum of the degree which he has taken, on payment of half the ordinary fee for such course, provided that if the course be required for further graduation he shall pay the full fee

NOTICE AS TO PRACTICAL CLASSES.—Students are required to begin practical work at the commencement of each term. Unless by special leave, no student can be admitted to practical class who does not present himself within the first week.

Inclusive Fees in Arts, Science, and Law—See Index.

\* These classes may have to be suspended during the Session 1916-17.

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	
* <i>Astronomy, Class A.,</i>	{ 3 p.m., Tues., Th., and Fri. (see p. 119), .	£2 2	} PROF. BECKER.
* <i>Class B.,</i>	{ 3 p.m., Mon., Wed., and Fri. (see p. 119), .	2 2	
* <i>Classes A. and B. in same Session,</i>		4 4	
<i>Chemistry,</i>	10 a.m., .	4 4	} PROF. ———
<i>Chemical Laboratory,</i>	10 a.m. to 4 p.m., .	10 10	
<i>(Half Session),</i>		5 5	
<i>Chemistry (for Students of Applied Chemistry, Engineering, Mining, or Naval Architecture),</i>	10 a.m., .	4 4	Dr. C. H. Desch.
<i>Inorganic Chemistry (Subsidiary),</i> (see p. 294), .		3 3	} Dr. A. W. Stewart.
<i>Physical Chemistry,</i> . 9 a.m. (see p. 122), .		3 3 <sup>1</sup>	
<i>Practical Course,</i>		2	
<i>Inorganic Chemistry (Advanced),</i> 9 a.m. (see p. 123), .		3 3 <sup>1</sup>	} Dr. T. S. Patterson.
<i>Organic Chemistry,</i> . 11 a.m. (see p. 120), .		3 3	
<i>Higher,</i> . (see p. 121), .		No fee.	
<i>Metallurgical Chemistry,</i> . 12 noon, .		4 4	} Dr. C. H. Desch.
<i>Class A. (Oct.-Dec.) or Class B. (Jan.-Mar.),</i>		2 2	
<i>Metallurgical Laboratory,</i> . 10 a.m. to 4 p.m., .		5 5 <sup>3</sup>	
<i>Anatomy (First Course),</i> Jan.-Mar., 11 a.m., .		2 2	} PROF. BRYCE and Demonstrators.
<i>(Second Course),</i> Oct.-Dec., 11.30 a.m., .		2 2	
<i>Practical (Oct.-Mar.),</i> 9 a.m. to 4.45 p.m., .		6 6 <sup>4</sup>	
<i>(Oct.-Dec. or Jan.-Mar.),</i> .		3 3 <sup>4</sup>	} Dr. J. F. Gemmill.
<i>Practical Anatomy (Old Med. Ord.),</i> 9 a.m. to 4.45 p.m., .		4 4 <sup>54</sup>	
<i>Embryological Laboratory,</i> { (Oct.-Dec.), 9 a.m. to 4 p.m. (see p. 144), .		3 3 <sup>6</sup>	
<i>Physiology,</i> . 12.30 p.m., .		4 4 <sup>9</sup>	} PROF. NOËL PATON, the Lecturers, and the Assistants.
<i>Practical Physiology</i> (see p. 145),			
<i>Advanced</i> (see p. 146), per term, .		2 2	

[In regard to the Advanced Chemistry Classes see also footnotes Nos. 7 and 8.]

<sup>1</sup> In the case of students who attend Physical and Inorganic in separate sessions the total fee will be £5 5s., viz. £3 3s. for the class first taken and £2 2s. for the other. If both be taken in the same session the total fee will also be £5 5s.

<sup>2</sup> Students must be enrolled for the Chemical Laboratory.

<sup>3</sup> Half-day attendance.

<sup>4</sup> This fee includes all charges.

<sup>5</sup> Students who have taken two winters and two summers of Practical Anatomy, as well as the Junior and Senior Lecture courses, may afterwards enrol in Practical Anatomy at £1 1s.

<sup>6</sup> Fee for a second course, £1 11s. 6d.

<sup>7</sup> Students who have already attended any Lecture Course in Advanced Chemistry and obtained the Class Certificate for it may re-attend the same course for a fee of one guinea.

<sup>8</sup> Students who have already paid 29 guineas for Lecture and Laboratory Classes in Advanced Chemistry, having been granted Class Certificates for these classes, may enrol in any Lecture Class for one guinea, and for the Laboratory at half the full fee.

<sup>9</sup> Fee for a second or subsequent Session, £3 3s.

NOTICE AS TO PRACTICAL CLASSES.—Students are required to begin practical work at the commencement of each term. Unless by special leave, no student can be admitted to a practical class who does not present himself within the first week.

**Inclusive Fees in Arts, Science, and Law—See Index.**

\* These classes may have to be suspended during the Session 1916-17.

## SEPARATE FACULTIES AND CLASSES.

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	
<i>Physiological Chemistry,</i>	(see p. 146), . . .	£2 2	(Vacant.)
<i>Psychology,</i>	(see p. 147), . . .	4 4	} Dr. H. J. Watt.
<i>Advanced,</i>	(see p. 101), . . .	2 2	
<i>Zoology, Elementary,</i>	9 a.m., . . .	4 4 <sup>2</sup>	} PROF. GRAHAM KERR.
<i>Zoological Laboratory, Ele- mentary,</i>	11 a.m. or 3 p.m., . . .	3 3	
<i>Zoology (Spring Course),</i>	9 a.m. (see p. 141), . . .	3 3 <sup>4</sup>	
<i>Evolution (Jan.-Mar.),</i>	4 p.m. Wed. (see p. 141), . . .	No fee.	} Dr. W. E. Agar.
<i>*Heredity (Jan.-Mar.),</i>	9 a.m. Th. and Fri. (see p. 141), . . .	1 1 <sup>6</sup>	
<i>Botany, Advanced,</i>	10 a.m. (see p. 139), . . .	3 3 <sup>3</sup>	} PROF. BOWER.
<i>Botanical Laboratory, Ad- vanced,</i>	(see p. 139), . . .	3 3 <sup>3</sup>	
<i>Botany [Half Course], Oct.-Dec.,</i>	<i>Lect.</i> 12 noon, <i>Lab.</i> 12-2,	4 4	} Mr. Drummond.
<i>Geology (Public Health),</i>	4.30 p.m. . . .	3 3	
<i>(Mining), Part I.,</i>	4.30 p.m. . . .	3 3 <sup>1</sup>	} PROF. GREGORY.
<i>Part II. (see p. 124),</i>	. . .	2 2	
<i>(Agriculture),</i>	4.30 p.m. . . .	4 4 <sup>2</sup>	
<i>(Engineering),</i>	4.30 p.m. . . .	4 4 <sup>2</sup>	
<i>Geology and Mineralogy,</i>	4.30 p.m. . . .	5 5	
<i>(Advanced),</i>	5.30 p.m. . . .	5 5	
<i>(Oct.-Dec. or Jan.-Mar.),</i>	. . .	2 12 6	
<i>Practical Geology,</i>	4.30 p.m. to 6.30 p.m. . . .	3 3 <sup>5</sup>	} Dr. Falconer.
<i>Geography,</i>	11 a.m. . . .	4 4	
<i>*Advanced,</i>	9 to 11 a.m. (see p. 114), . . .	4 4 <sup>7</sup>	} PROF. GLAISTER and Assistants.
<i>Public Health,</i>	12 noon, 4 days weekly, . . .	4 4 <sup>2</sup>	
<i>Public Health Laboratory,</i>	10 a.m. to 4 p.m., . . .	12 12	
<i>(Half Session),</i>	. . .	6 6	} PROF. CORMACK, Lecturers and De- monstrators.
<i>*Engineering, Class I.,</i>	9 a.m., . . .	2 2	
<i>II.,</i>	10 a.m. Mon., Wed., Fri., . . .	2 2	
<i>*III.,</i>	10 a.m. Mon., Wed., Fri., . . .	2 2	
<i>IV.,</i>	9 a.m. daily, ex. Sat., . . .	4 4 <sup>2</sup>	
<i>*Engineering Drawing, etc.,</i>	9 a.m. to 5 p.m. daily, . . .	4 4 <sup>2</sup>	
<i>except Sat.,</i>	. . .	10 10	
<i>*Engineering Laboratory,</i>	9 a.m. to 5 p.m., . . .	5 5	} Mr. J. S. Nicholson.
<i>*Second Session),</i>	. . .	5 5	
<i>*Engineering Laboratory, Mechanical or Electrical,</i>	9 a.m. to 5 p.m., . . .	3 3	
<i>*Electrical Engineering, Class I.,</i>	8 a.m. Mon., Wed., Fri., . . .	2 2	
<i>*Class II.,</i>	8 a.m. Tues., Thur., Sat., . . .	2 2	

1 If with Practical Class, £5 5s.

2 Fee for a second or subsequent session, £3 3s.

3 Students who have attended Lectures or Laboratory Classes in Botany and paid fees amounting to at least £13 13s., in respect of such classes, may afterwards enrol in any Lecture or Laboratory Class in Botany for £1 1s.

4 Students who have attended Lectures or Laboratory Classes in Zoology and paid fees amounting to at least £13 13s., in respect of such classes, may afterwards enrol in any Lecture or Laboratory Class in Zoology for £1 1s.

5 Fee for Students who have already attended the Geology Class in the University, £2 2s.

6 The course is open free to past or present members of the classes of Botany or Zoology.

7 Fee for students who have already attended the Ordinary Class in Geography, £2 2s.

NOTICE AS TO PRACTICAL CLASSES.—Students are required to begin practical work at the commencement of each term. Unless by special leave, no student can be admitted to a practical class who does not present himself within the first week.

Inclusive Fees in Arts, Science, and Law—See Index.

\* These classes may have to be suspended during the Session 1916-17.

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	
<i>Mining, Class I.,</i>	3 p.m., Mon., Wed.,	£2 2	} PROF. LATHAM.
<i>II.,</i>	3 p.m., Tues., Thurs.,	2 2	
<i>III.,</i>	3 p.m., Fri.,	1 1	
<i>IV. (Practical),</i> (see p. 132),		1 1	
<i>Naval Architecture and Marine Engineering, Junior,</i>	12 noon, Mon., Wed.,		} PROF. SIR J. H. BILES.
<i>Senior,</i>	Fri.,	3 3	
<i>Practical, Junior,</i>	11 a.m., Mon., Tu., Th.,	3 3	
<i>Senior,</i>	2 to 5 p.m., Tu., Wed.,		
	Th., and Fri.,	3 3	
	2 to 5 p.m., Tu., Wed.,		
	Th., and Fri.,	3 3	

## SUMMER SESSION, 1917.

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	
<i>Zoology (Vertebrata),</i>	(see p. 141),	£3 3 <sup>2</sup>	} PROF. GRAHAM KERR.
<i>*Zoology, Experimental,</i>	(see p. 142),		
<i>*Protozoology,</i>	4 p.m., M., W., F.,	2 2 <sup>4</sup>	Mr. Dunkerly.
<i>Botany, Advanced,</i>	(see p. 139),	3 3 <sup>1</sup>	} PROF. BOWER.
<i>Botanical Laboratory, Advanced,</i> (see p. 139),		3 3 <sup>1</sup>	
<i>Botany [Half Course] Lect. 12 noon, Lab. 12-2,</i>		3 3 <sup>3</sup>	Mr. Drummond.
<i>Physical Laboratory,</i>	(10 hours weekly),	4 4 <sup>8</sup>	} PROF. GRAY.
	(6 hours weekly),	3 3 <sup>8</sup>	
<i>Chemical Laboratory,</i>	10 a.m. to 4 p.m.,	5 5	} PROF. ———
<i>History of Chemistry,</i>		No fee.	
<i>Organic Chemistry (Special),</i> (see p. 121),		No fee.	Dr. T. S. Patterson.
<i>Radio-activity,</i>	(see p. 123),	2 2	Dr. A. W. Stewart.
<i>Metallography,</i>	(see p. 122),	1 1	Dr. C. H. Desch.
<i>Metallurgical Laboratory,</i>	10 a.m. to 4 p.m.,	5 5	Dr. C. H. Desch.
<i>Practical Anatomy (Old Med. Ord.),</i>	9 a.m. to 4.45 p.m.,	2 12 6 <sup>5</sup> 6	} PROF. BRYCE and Demonstrators.
<i>Practical Anatomy (New Med. Ord.),</i>	9 a.m. to 4.45 p.m.,	3 3 6	
<i>Physical Anthropology,</i>	(see p. 143),	1 1	} Dr. J. F. Gemmill.
<i>Embryology,</i>	11 a.m. (see p. 144),	2 2	
<i>Do. (if taken with Practical Anatomy),</i>		1 1	
<i>Embryological Laboratory,</i>	9 a.m. to 4 p.m. (see p. 144),	3 3 7	

<sup>1</sup> See third note on p. 70.

<sup>2</sup> See fourth note on p. 70.

<sup>3</sup> To be preceded for graduation purposes by the Winter Half Course (Oct.-Dec.).

<sup>4</sup> The course is open free to past or present members of the classes of Botany or Zoology.

<sup>5</sup> Students who have taken two winters and two summers of Practical Anatomy, as well as the Junior and Senior Lecture Courses, may afterwards enrol in Practical Anatomy at £1 1s.

<sup>6</sup> This fee includes all charges.

<sup>7</sup> Fee for a second course, £1 11s. 6d.

<sup>8</sup> Enrolment is subject to Professor's permission.

NOTICE AS TO PRACTICAL CLASSES.—*Students are required to begin practical work at the commencement of each term. Unless by special leave, no student can be admitted to a practical class who does not present himself within the first week.*

**Inclusive Fees in Arts, Science, and Law.—See Index.**

\* These classes may have to be suspended during the Session 1916-17.

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	
<i>Practical Physiology</i> , 9 to 11 a.m. (see p. 145),		£4 4 <sup>10</sup>	} PROF. NOËL PATON, the Lecturers, and the Assistants. PROF. GLAISTER.
<i>Advanced</i> (see p. 146),		2 2	
<i>Public Health Laboratory</i> , (see p. 153),		6 6	

## III.—MEDICINE.

## WINTER SESSION, 1916-17.

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	
<i>Zoology, Elementary</i> , . . . . .	9 a.m., . . . . .	£4 4 <sup>8</sup>	} PROF. GRAHAM KERR.
<i>Zoological Laboratory, Elementary</i> , . . . . .	11 a.m. or 3 p.m., . . . . .	3 3	
<i>Evolution</i> (Jan.-Mar.), 4 p.m. Wed. (see p. 141), . . . . .		No fee.	
<i>*Heredity</i> (Jan.-Mar.), 9 a.m. Th. and Fri. (see p. 141), . . . . .		1 17	} Dr. W. E. Agar.
<i>Chemistry</i> , . . . . .	10 a.m., . . . . .	4 4 <sup>2</sup>	
<i>Chemical Laboratory</i> , 10 a.m. to 4 p.m. (see p. 137), . . . . .		5 5	} PROF. BRYCE and Demonstrators.
<i>Anatomy</i> (First Course), Jan.-Mar., 11 a.m., . . . . .		2 2	
— (Second Course), Oct.-Dec., 11.30 a.m., . . . . .		2 2	
— Practical (Oct.-Mar.), 9 a.m. to 4.45 p.m., . . . . .		6 6 <sup>6</sup>	
— Practical (Oct.-Dec. or Jan.-Mar.), do., . . . . .		3 3 <sup>6</sup>	} Dr. J. F. Gemmill.
<i>Practical Anatomy (Old Med. Ord.)</i> , . . . . .	9 a.m. to 4.45 p.m., . . . . .	4 4 <sup>6</sup>	
<i>Embryological Laboratory</i> { 9 a.m. to 4 p.m. (see p. 144), . . . . .		3 3 <sup>9</sup>	
<i>Physiology</i> , . . . . .	12.30 p.m., . . . . .	4 4 <sup>1</sup>	} PROF. NOËL PATON, the Lecturers, and the Assistants.
<i>Practical Physiology</i> , . . . . . (see p. 145), . . . . .		4 4 <sup>3</sup>	
<i>Physiological Chemistry</i> (see p. 146), . . . . .		2 2	(Vacant.)
<i>Psychological Physiology</i> (see p. 147), . . . . .		4 4	Dr. H. J. Watt.
<i>Materia Medica and Therap.</i> , 11 a.m., . . . . .		4 4 <sup>1</sup>	PROF. STOCKMAN.
<i>Pathology</i> , . . . . . 2 p.m., . . . . .		4 4 <sup>1</sup>	PROF. MUIR.
<i>Pathological Histology</i> (see p. 149), . . . . .		3 3 <sup>5</sup>	G. H. Wilson, M.B.
<i>Practical Bacteriology</i> (see p. 149), . . . . .		3 3 <sup>5</sup>	Dr. W. B. M. Martin.
<i>Clinical Pathology</i> , (see p. 150), For Under-graduates, . . . . .		0 10	} Dr. J. Shaw Dunn.
— (see p. 150), For Graduates, . . . . .		2 12 <sup>9</sup>	
<i>Midwifery</i> , . . . . . 2 p.m., . . . . .		4 4 <sup>1</sup>	PROF. M. CAMERON.

1 Fee for a second or subsequent session, £3 3s.

2 Fee for a second or subsequent course, £3 3s.

3 Fee for a second attendance, £3 3s. See also eighth note on p. 74.

4 Students who have taken two winters and two summers of Practical Anatomy, as well as the Junior and Senior Lecture Courses, may afterwards enrol in Practical Anatomy at £1 1s.

5 Fee for Pathological Histology and Practical Bacteriology taken together, £5 5s.

6 This fee includes all charges.

7 The course is open free to past or present members of the classes of Botany or Zoology.

8 Fee for a second or subsequent session, £3 3s.

9 Fee for a second course, £1 11s. 6d.

10 See eighth note on p. 74.

NOTICE AS TO PRACTICAL CLASSES.—Students are required to begin practical work at the commencement of each term. Unless by special leave, no student can be admitted to a practical class who does not present himself within the first week.

\* These classes may have to be suspended during the Session 1916-17,

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	
<i>Surgery,</i>	12 noon,	4 4 <sup>1</sup>	} PROF. SIR WM. MACEWEN.
<i>Clinical Surgery (Western Infirmary),</i>	9.15 a.m.,	3 3	
<i>Practice of Medicine,</i>	11 a.m.,	4 4 <sup>1</sup>	} PROF. T. K. MONRO.
<i>Clinical Medicine (Western Infirmary),</i>	9 a.m.,	3 10	
<i>Public Health,</i>	12 noon, four days weekly,	4 4 0 <sup>1</sup>	} PROFESSOR GLAISTER and Assistants.
<i>Public Health Laboratory,</i>	10 a.m. to 4 p.m., (Half Session),	12 12 0 6 6 0	
<i>Dermatology (Hours to be arranged),</i>		1 11 6	J. WYLLIE NICOL, M.B.
<i>Ophthalmology,</i>	(see p. 163),	2 2	Dr. A. M. Ramsay.
<i>Ear,</i>	{ 4 p.m., Wed. (University) 4 p.m., Mon. or Thurs., (Western Infirmary),	1 1	} Dr. Thomas Barr.
<i>Throat and Nose,</i>	{ 4 p.m., Th. (University), 4 p.m., Tues. or Fri. (Western Infirmary),	1 1	
			J. Walker Downie, M.B.

## CLASSES AT THE ROYAL INFIRMARY.

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	
<i>Pathology,</i>	3 p.m.,	£4 4 <sup>1</sup>	} PROF. TEACHER.
<i>*Practical Bacteriology (see p. 151),</i>		3 3	
<i>Clinical Pathology, For Undergraduates,</i>		0 10	
<i>For Graduates,</i>		2 12 <sup>2</sup>	
<i>Midwifery (Syst. and Clin.),</i>	2 p.m.,	4 4 <sup>1</sup>	} PROF. MUNRO KERR.
<i>Clinical Gynaecology,</i>	3 p.m., Tu., Th., Fri., (Ward 30)	1 15 Per Term.	
<i>Surgery,</i>	11 a.m.,	4 4 <sup>1</sup>	} PROF. KENNEDY.
<i>Clinical Surgery,</i>	9 a.m.,	1 15 Per Term.	
<i>Clinical Surgery,</i>	9 a.m.,	1 15 Per Term.	} Dr. J. A. Adams.
<i>Clinical Surgery,</i>	9 a.m.,	1 15 Per Term.	
<i>Practice of Medicine,</i>	12 noon,	4 4 <sup>1</sup>	} PROF. HUNTER.
<i>Clinical Medicine,</i>	9.15 a.m.,	1 15 Per Term.	
<i>*Clinical Medicine,</i>	9 a.m.,	1 15 Per Term.	} Dr. J. M. Cowan.
<i>Clinical Medicine,</i>	9 a.m.,	1 15 Per Term.	
<i>*Clinical Medicine,</i>	9 a.m.,	1 15 Per Term.	} Dr. J. Henderson.
<i>Clinical Medicine,</i>	9 a.m.,	1 15 Per Term.	
<i>Ear,</i>	(see p. 164),	1 1	} Dr. J. Kerr Love.
<i>Throat and Nose,</i>	(see p. 166),	1 1	
<i>Dermatology,</i>	(see p. 167),	1 11 6	G. M'Intyre, M.B.
<i>*Venereal Diseases,</i>	(see p. 168),	1 1	Dr. D. Watson.

<sup>1</sup> Fee for a second or subsequent session, £3 3s.

<sup>2</sup> For information apply to Professor Teacher. Fee for a second course, £1 11s. 6d.

NOTICE AS TO PRACTICAL CLASSES.—Students are required to begin practical work at the commencement of each term. Unless by special leave, no student can be admitted to a practical class who does not present himself within the first week.

\* These classes may have to be suspended during the Session 1916-17.

## SUMMER SESSION, 1917.

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	
<i>Physics,</i>	11 a.m.,	£3 3	Dr. James G. Gray.
<i>Practical Physics,</i> 9 a.m. to 11 a.m. or 2 p.m. to 4 p.m. (see p. 112),		2 2	} PROF. GRAY.
<i>Botany,</i>	8 a.m. (see p. 138),	4 4 <sup>1</sup>	
<i>Botanical Laboratory,</i>	9 a.m. to 4 p.m.,	3 3 <sup>2</sup>	} PROF. BOWER.
<i>Zoology (Vertebrata),</i>	(see p. 141),	3 3 <sup>6</sup>	
<i>*Protozoology,</i>	4 p.m., M., W., F.,	2 2 <sup>3</sup>	Mr. Dunkerly.
<i>Chemical Laboratory,</i>	10 a.m. to 4 p.m.,	5 5	PROF. ———
<i>Practical Anatomy (Old Med. Ord.),</i>	9 a.m. to 4.45 p.m.,	2 12 6 <sup>45</sup>	} PROF. BRYCE and Demonstrators.
<i>Practical Anatomy (New Med. Ord.),</i>	9 a.m. to 4.45 p.m.,	3 3 <sup>5</sup>	
<i>Physical Anthropology,</i>	(see p. 143),	1 1	} Dr. J. F. Gemmill.
<i>Embryology,</i>	11 a.m. (see p. 144),	2 2	
<i>Do.</i> (if taken with Practical Anatomy),		1 1	
<i>Embryological Laboratory,</i>	9 a.m. to 4 p.m. (see p. 144),	3 3 <sup>7</sup>	} PROF. STOCKMAN.
<i>Practical Pharmacy,</i>	8 a.m. or 12 noon,	3 3	
<i>Practical Physiology,</i> 9 to 11 a.m. (see p. 145),		4 4 <sup>8</sup>	} PROF. NOËL PATON, the Lecturers, and the Assistants.
<i>Practical Pathology,</i> 1 to 3 p.m. (see p. 149),		3 3 <sup>9</sup>	
<i>Clinical Pathology,</i> (see p. 150), For Under-graduates,		0 10	} Dr. J. Shaw Dunn.
————— (see p. 150), For Graduates,		2 12 <sup>10</sup>	
<i>Medical Jurisprudence and Public Health,</i>	11 a.m. (see p. 151),	4 4 <sup>11</sup>	} PROF. GLAISTER.
<i>Public Health Laboratory,</i> (see p. 153),		6 6	
<i>Diseases of Women,</i>	2 p.m., Tu., Th., Fri.,	2 2	PROF. M. CAMERON.

1 Fee for a second or subsequent session, £3 3s.

2 Students who have attended Lectures or Laboratory Classes in Botany and paid fees amounting to at least £13 13s., in respect of such classes, may afterwards enrol in any Lecture or Laboratory Class in Botany for £1 1s.

3 The course is open free to past or present members of the classes of Botany or Zoology.

4 Students who have taken two winters and two summers of Practical Anatomy, as well as the Junior and Senior Lecture Courses, may afterwards enrol in Practical Anatomy at £1 1s.

5 This fee includes all charges.

6 Students who have attended Lectures or Laboratory Classes in Zoology and paid fees amounting to at least £13 13s., in respect of such classes, may afterwards enrol in any Lecture or Laboratory Class in Zoology for £1 1s.

7 Fee for a second course, £1 11s. 6d.

8 The fee covers the whole course, viz.: I. In summer, Practical Histology; II. In winter Practical General Physiology (Oct.-Dec.) and Practical Chemical Physiology (Jan.-March). If possible, students should take Practical Histology before attending the winter *Systematic* Class. Students who have already attended the Practical Physiology Course may enrol for £1 1s. in any one of the three sections.

9 After first Lecture, the Class will meet in divisions.

10 Fee for a second course, £1 11s. 6d.

11 Fee for a second or subsequent session, £3 3s.

NOTICE AS TO PRACTICAL CLASSES.—Students are required to begin practical work at the commencement of each term. Unless by special leave, no student can be admitted to a practical class who does not present himself within the first week.

\* These classes may have to be suspended during the Session 1916-17.



<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	
<i>Operative Surgery,</i>	{ 12 noon, with practical work at other hours as may be arranged, . . . }	£3 3	PROF. SIR WM. MACEWEN.
<i>Clinical Surgery (Western Infirmary),</i>	9.15 a.m.,	2 2	PROF. SIR WM. MACEWEN.
<i>Clinical Medicine (Western Infirmary),</i>	9 a.m.	1 15	PROF. T. K. MONRO.
<i>Insanity,</i> . . .	{ 12 noon, Wed. (University), 10 a.m., Sat. (Gartnavel), }	2 2	L. R. Oswald, M.B.
<i>Dermatology,</i> 2 p.m., Mon., Wed. (and other days and hours as may be arranged).		1 11 6	J. Wyllie Nicol, M.B.
<i>Ophthalmology,</i> . . .	(see p. 163), . . .	2 2	Dr. A. M. Ramsay.
<i>Ear,</i> . . .	{ 4 p.m., Wed. (University), 4 p.m., Mon. or Thurs., (Western Infirmary), }	1 1	Dr. Thomas Barr.
<i>Throat and Nose,</i>	{ 4 p.m., Th. (University), 4 p.m., Tues. or Friday (Western Infirmary), . }	1 1	J. Walker Downie, M.B.

## CLASSES AT THE ROYAL INFIRMARY.

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	
<i>Practical Pathology,</i> . . .	1-3 p.m., M., T., Th., F.,	£3 3	PROF. TEACHER.
<i>Gynaecology (Systematic and Clinical),</i> . . .	2 p.m., Tu., Th., Fri.,	2 2	{ PROF. MUNRO KERR.
<i>Operative Surgery,</i> . . .	11 a.m., . . .	3 3	{
<i>Clinical Surgery,</i> . . .	9 a.m., . . .	1 15	PROF. KENNEDY.
<i>Clinical Surgery,</i> . . .	9 a.m., . . .	1 15	Dr. J. A. Adams.
<i>Clinical Surgery,</i> . . .	9 a.m., . . .	1 15	Dr. A. N. M'Gregor.
<i>Clinical Medicine,</i> . . .	9.15 a.m., . . .	1 15	PROF. HUNTER.
<i>*Clinical Medicine,</i> . . .	9 a.m., . . .	1 15	Dr. J. M. Cowan.
<i>Clinical Medicine,</i> . . .	9 a.m., . . .	1 15	{ J. B. Mackenzie Anderson, M.B.
<i>*Clinical Medicine,</i> . . .	9 a.m., . . .	1 15	Dr. J. Henderson.
<i>Clinical Medicine,</i> . . .	9 a.m., . . .	1 15	Dr. W. R. Jack.
<i>Ear,</i> . . .	(see p. 164), . . .	1 1	Dr. J. Kerr Love.
<i>Throat and Nose,</i> . . .	(see p. 166), . . .	1 1	J. Macintyre, M.B.
<i>Dermatology,</i> . . .	(see p. 167), . . .	1 11 6	G. M'Intyre, M.B.
<i>*Venereal Diseases,</i> . . .	(see p. 168), . . .	1 1	Dr. D. Watson.
<i>Psychological Medicine,</i> . . .	(see p. 162), . . .	2 2	J. H. M'Donald, M.B.

NOTICE AS TO PRACTICAL CLASSES.—*Students are required to begin practical work at the commencement of each term. Unless by special leave, no student can be admitted to a practical class who does not present himself within the first week.*

\* These classes may have to be suspended during the Session 1916-17.

## IV.—LAW.

## WINTER SESSION, 1916-17.

Classes.	Hours.	Class Fees.	
<i>Scots Law</i> , . . . . .	8 a.m., . . . . .	£4 4 <sup>1</sup>	PROF. GLOAG.
<i>Civil Law</i> , . . . . .	5.30 p.m., . . . . .	4 4 <sup>1</sup>	Mr. Wm. Dunbar.
<i>Conveyancing</i> , . . . . .	8 a.m., . . . . .	4 4 <sup>1</sup>	PROF. M'KECHNIE.
<i>Constitutional Law and History</i> , . . . . .	4.30 p.m., . . . . .	4 4 <sup>2</sup>	} (Vacant).
(Half Course), . . . . .		3 3	
<i>Mercantile Law</i> , . . . . .	5.30 p.m., . . . . .	4 4 <sup>2</sup>	} Mr. T. G. Wright.
(Half Course), . . . . .		3 3	
<i>Public International Law</i> , 8.45 a.m. (see p. 177),		3 3	} Mr. A. H. Charteris.
<i>International Private Law</i> (in Summer),			
<i>Jurisprudence, General or Comparative</i> , . . . . .	4.30 p.m., (see p. 176), . . . . .	3 3	} Mr. A. A. Mitchell.
<i>Political Economy</i> , . . . . .	2 p.m., . . . . .	4 4 <sup>2</sup>	
<i>Forensic Medicine</i> , (Jan.-Mar.) 9 a.m., . . . . .		4 4 <sup>2</sup>	PROF. SCOTT.
			PROF. GLAISTER.

## SUMMER SESSION, 1917.

Classes.	Hours.	Class Fees.	
<i>Evidence and Procedure</i> , . . . . .	8.45 a.m., . . . . .	£3 3	Mr. R. Lamond.
<i>International Private Law</i> , . . . . .	8.45 a.m., . . . . .	3 3	Mr. A. H. Charteris.

## V.—THEOLOGY.

## MONDAY, 16th OCTOBER, 1916.

Classes.	Hours.	Class Fees.	
<i>Divinity, Junior</i> , . . . . .	11 a.m., . . . . .	£3 3	} PROF. REID.
<i>Senior</i> , . . . . .	12 noon, . . . . .	3 3	
<i>Hebrew, Junior</i> , . . . . .	10 a.m., . . . . .	3 3	} PROF. STEVENSON.
<i>Senior</i> , . . . . .	11 a.m. (see p. 188), . . . . .	3 3	
* <i>Syriac</i> , . . . . .	9 a.m., twice weekly, . . . . .	2 2 <sup>3</sup>	} (Vacant).
* <i>Hebrew, Elementary</i> (Oct.-Dec.) (see p. 188), . . . . .		2 2	
<i>Arabic</i> (Half Course), . . . . .	(see p. 189), . . . . .	£1 1 or 2 2	Mr. T. H. Weir.
<i>Ecclesiastical History, Junior</i> , . . . . .	12 noon, . . . . .	3 3	} PROF. COOPER.
<i>Senior</i> , . . . . .	11 a.m., . . . . .	3 3	
<i>Biblical Criticism, Junior</i> , . . . . .	10 a.m., . . . . .	3 3	} PROF. MILLIGAN.
<i>Senior</i> , (see p. 193), . . . . .		3 3	

Classes in Semitic Languages beginning on Wednesday, 25th April, 1917—see page 68.

1 Fee for a second or subsequent session, £3 3s.

2 Fee for a second or subsequent course, £3 3s.

3 For Students who are attending, or have attended, the Hebrew Class, the Fee is £1 1s.

Inclusive Fees in Arts, Science, and Law—See Index.

\* These classes may have to be suspended during the Session 1916-17.

In addition to the University Courses, the following Hospitals and Dispensaries afford ample means for Practical Instruction in the various departments of Medicine and Surgery :—

**WESTERN INFIRMARY.**—This Hospital contains 595 beds for medical and surgical patients, including Wards for Skin Diseases (twenty beds), and for diseases peculiar to females. *Physicians*—Prof. Ralph Stockman, M.D.; William MacLennan, M.B., O.M.; R. Barclay Ness, M.A., M.B., O.M.; Prof. T. K. Monro, M.A., M.D.; J. Wyllie Nicol, M.B., C.M. (Skin Department). *Gynaecologist*—Prof. Murdoch Cameron, M.D. *Honorary Consulting Gynaecologist*—W. L. Reid, M.D. *Assistant Physicians*—James Carslaw, M.A., M.B., C.M.; John S. M'Kendrick, M.D.; Frank J. Charteris, M.D., Ch.B.; John Gracie, M.B., Ch.B. *Surgeons*—Professor Sir William Macewen, M.D., LL.D., F.R.S.; T. K. Dalziel, M.B.; James H. Nicoll, M.B.; Duncan Macartney, M.D.; Geo. H. Edington, M.D., D.Sc.; John Morton, M.B. *Honorary Consulting Surgeons*—Sir Hector C. Cameron, M.D., LL.D.; Sir George T. Beatson, K.C.B., etc. *Assistant Surgeons*—Arch. Young, B.Sc., M.B., C.M.; M. Logan Taylor, M.B., Ch.B.; C. C. Cuthbert, M.A., M.D., Ch.B. *Dispensary Physicians*—John P. Duncan, B.Sc., M.B., Ch.B.; Geo. A. Allan, M.B., Ch.B.; J. R. C. Greenlees, M.B., B.C.; George H. Clark, M.D., Ch.B.; Daniel R. Kilpatrick, M.D., Ch.B. *Extra Dispensary Physicians*—G. B. Fleming, B.A., B.C., M.B.; Hugh Morton, M.D., Ch.B.; J. W. M'Nee, M.D., Ch.B.; Adam Patrick, M.A., M.D. *Dispensary Gynaecologists*—Samuel J. Cameron, M.B., Ch.B.; Jas. H. Martin, M.D., Ch.B. *Dispensary Physician for Diseases of the Skin*—J. G. Tomkinson, M.D. *Dispensary Surgeons*—A. H. Edwards, M.B., C.M.; R. B. Carslaw, M.A., M.B., Ch.B.; David Dickie, M.B., F.R.C.S.; William Rankin, M.A., M.B., Ch.B.; J. M. Renton, M.B., Ch.B.; Roy F. Young, M.B., B.C.; W. A. Campbell, M.B., Ch.B., F.R.C.S. (Eng.). *Extra Dispensary Surgeons*—W. A. Sewell, B.Sc., M.B., Ch.B.; Charles Bennett, M.B., Ch.B. *Honorary Anaesthetists*—James P. Boyd, M.B.; R. Home Henderson, M.D.; H. P. Fairlie, M.D., Ch.B. *Honorary Consulting Medical Electrician*—D. J. Mackintosh, M.B., M.V.O., LL.D. *Medical Electricians*—J. G. Tomkinson, M.D.; Archibald Hay, M.A.,

M.D.; W. F. Somerville, M.A., B.Sc., M.D. *Dispensary Surgeon for Diseases of the Ear*—Thomas Barr, M.D. *Assistant Dispensary Surgeon for Diseases of the Ear*—J. Stoddart Barr, M.B., Ch.B. *Honorary Consulting Physician for Mental Disorders*—L. R. Oswald, M.B., C.M. *Dispensary Surgeon for Diseases of the Throat and Nose*—J. Walker Downie, M.B. *Dental Surgeon*—W. D. Woodburn, L.D.S. *Pathologist*—Professor Robert Muir, M.D., F.R.S. *Director of Clinical Laboratory and Lecturer on Clinical Pathology*—J. Shaw Dunn, M.A., M.D. *Assistant Pathologists*—George Haswell Wilson, M.B., Ch.B.; J. W. M'Nee, M.D., Ch.B. *Vaccinator*—John Lindley Carstairs, M.A., M.B., C.M. *Medical Superintendent*—Donald J. Mackintosh, M.B., M.V.O., LL.D. *Matron*—Miss Helen Gregory Smith. *Secretary and Treasurer*—J. Matheson Johnston, C.A., 87 Union Street. The hour of visit is 9 A.M. The Dispensary for Out-Patients is open daily at 2 P.M. Vaccination—Mondays and Thursdays at 12 noon. The station is recognised by the Local Government Board. Fee, £1 1s. It is recommended that when practicable students should attend the vaccination course during the winter session.

According to the present arrangement admission to the practice of this Infirmary is subject to the following regulations:—

1. No student shall be permitted to attend the Infirmary without a Ticket duly signed by the Superintendent.

2. The Fees payable shall be as follows:—

1st. Every Student shall pay a fee of £10 10s. for Hospital attendance, and this shall be kept quite apart from the Fees for Clinical Instruction.

2nd. Every Student shall pay £2 2s. for each Summer, and £3 3s. for each Winter Session of Clinical Instruction, or such other fees as may be fixed from time to time by the Managers in conjunction with the University Court.

3rd. Students who have completed their Clinical Course elsewhere shall be permitted to enter for a six months' course of the *Hospital only*, on payment of a fee of £2 2s.

3. There shall be not less than two Courses of Clinical instruction during each year.

4. At the beginning of each Course the Student shall give intimation to the Superintendent of the Clinical Teacher whose

course he wishes to attend, by filling up a form which will be supplied on application to the Superintendent.

5. The fees shall be paid to the Superintendent, who shall give each Student a Ticket of Admission to the Lectures of the Physician or Surgeon he wishes to attend. He shall also hand to each of the Clinical Lecturers a list of the Students who have taken out Tickets for their respective Courses.

GLASGOW ROYAL INFIRMARY.—Number of beds (including the Ophthalmic Institution), 800. Special wards are set aside for the treatment of Venereal Diseases, Diseases of Women, Diseases of the Throat and Nose, Diseases of the Ear, and Diseases of the Skin. *Honorary Consulting Physicians*—J. Wallace Anderson, M.D.; J. D. MacLaren, M.D.; Sir David C. M'Vail, M.B.; George S. Middleton, M.A., M.D., LL.D.; Alexander Morton, M.A., M.D. (Diseases of the Skin); Robert Perry, M.D.; A. Wood-Smith, M.D. *Honorary Consulting Surgeons*—John Barlow, M.D.; David N. Knox, M.B.; Quintin M'Lennan, M.B.; David Newman, M.D.; James Stirton, M.D. (Diseases of Women). Robert Fullerton, M.D. (Diseases of the Throat and Nose). *Physicians*—Prof. Walter K. Hunter, M.D., D.Sc.; John M. Cowan, M.D., D.Sc.; J. B. Mackenzie Anderson, M.A., M.B.; William R. Jack, B.Sc., M.D.; John Henderson, M.D. *Surgeons*—James Alexander Adams, M.D.; James Hogarth Pringle, M.B.; Henry Rutherford, M.A., M.B.; Peter Paterson, M.B.; Prof. Robert Kennedy, M.D., D.Sc.; A. N. M'Gregor, M.D.; Thomas Kay, M.B. *Assistant Physicians*—James Scott, M.A., M.B., Ch.B.; Archibald W. Harrington, M.D.; William Watson, M.D. *Dispensary Physicians*—D. H. Macphail, M.B., Ch.B.; Arthur M. Crawford, M.B.; David Macdonald, M.D.; John C. Middleton, B.Sc., M.B.; Alexander M. Kennedy, M.D.; William Watson, M.D. *Extra Dispensary Physicians*—Agnes Picken, M.B.; T. Stewart Barrie, M.B.; D. T. C. Frew, M.B.; J. M. Morgan, M.B. *Assistant Surgeons*—John Patrick, M.B.; John A. C. Macewen, B.Sc., M.B.; *Dispensary Surgeons*—A. G. Faulds, M.B.; James Battersby, F.R.C.S. (Eng.); Donald Duff, F.R.C.S. (Edin.); Milne M'Intyre, M.B., Ch.B.; Alexander J. Couper, M.B., Ch.B.; Robert S. Dewar, M.A., M.B., Ch.B. *Temporary Dispensary Surgeons*—J. Wallace Anderson, M.B.; Wm. Laird, L.R.C.P. *Extra Dispensary Surgeons*—William C. Mackie,

M.B.; J. A. G. Burton, M.B.; P. H. Robertson, M.B.; James Taylor, F.R.C.S. (Edin.); John MacIntyre, L.R.C.P. *Diseases of Women*—G. Balfour Marshall, M.D.; Prof. John M. Munro Kerr, M.D. *Surgeon for Diseases of the Eye*—A. Maitland Ramsay, M.D. *Diseases of the Throat and Nose*—John Macintyre, M.B. *Diseases of the Ear*—James Kerr Love, M.D. *Diseases of the Skin*—George M'Intyre, M.B. *Venereal Diseases*—David Watson, M.B. *Pathologist*—Prof. John H. Teacher, M.A., M.D. *Bacteriologist*—J. Archd. Campbell, L.R.C.P.S. *Assistant in Pathological Institute*—J. A. G. Burton, M.B.; vacancies. *Anaesthetists*—H. P. Fairlie, M.B., Ch.B.; F. L. Napier, M.B.; A. S. Richmond, M.B.; William Laird, L.R.C.P.; Ellen B. Orr, M.B. The hour of visit is 9 A.M. The hours at the dispensary for out-patients are as follows:—*Diseases of the Ear*—James Adam, M.D.; James Harper, M.A., M.B., and J. W. Leitch, M.B. 3.30 P.M., Tuesday and Friday. *Diseases of the Throat and Nose*—P. N. Grant, M.B. *Extra Dispensary Surgeon, Throat and Nose*—John Donald, M.D. 9.30 A.M., Tuesday and Friday. *Diseases of the Skin*—10 A.M., Monday, Wednesday, and Friday. *Venereal Diseases*—John Gilchrist, M.B. Monday, Wednesday, and Friday, at 11 A.M. *Diseases of Women*—James Taylor, F.R.C.S. Ed.; A. Louise M'Ilroy, M.D., D.Sc.; James Hendry, M.B.; William Watson, M.D. (temporarily). 10 A.M. Wednesday. *Diseases of the Teeth*—William Taylor, L.D.S.; W. R. Taylor, L.D.S., at 9 A.M. on Wednesdays. *Vaccination*—Hugh H. Borland, M.B., D.P.H., 12 noon, Monday and Thursday. The station is recognised by the Local Government Board.

The Electric Pavilion contains all the most recent apparatus for the diagnosis and treatment of disease by Electricity. *Consulting Electrician*—John Macintyre, M.B. *Medical Electrician*—James R. Riddell, L.R.C.P. etc. *Assistant Medical Electricians*—Samuel Capie, M.B.; Katharine M. Chapman, L.R.C.P. Ed.; J. Gibson Graham, M.A., M.B.; A. M. Kennedy, M.D.

Fees (a) Hospital Practice: For Perpetual Ticket, one payment, £7; or two payments of £3 10s. each. For Season Tickets: 6 months, £2 2s.; 3 months, £1 1s. Separate payments amounting to £7 7s. entitle the student to a Perpetual Ticket. (b) Clinical Lectures: For 6 months, £3 10s.; 3 months, £1 15s. (c) Vaccination £1 1s.

*Superintendent*—J. Maxtone Thom, M.B., D.P.H. *Matron*—Miss J. Melrose. *Secretary and Cashier*—R. Morrison Smith, C.A., Royal Infirmary Office, 135 Buchanan Street.

ROYAL HOSPITAL FOR SICK CHILDREN, GLASGOW (204 cots).  
—Consulting Staff: *Physicians*—Dr. G. S. Middleton, Dr. R. Barclay Ness, Dr. J. B. Mackenzie Anderson. *Surgeons*—Dr. T. Kennedy Dalziel, Mr. R. H. Parry, Mr. J. H. Nicoll. *Pathologist*—Professor Robert Muir. Acting Staff: *Visiting Physician*—Dr. Leonard Findlay. *Visiting Surgeons*—Mr. Alfred A. Young, Mr. Alexander MacLennan. *Pathologist*—Dr. W. B. M. Martin. *Aurist and Laryngologist*—Dr. J. Walker Downie. *Oculist*—Dr. John Rowan. *Dentist*—Mr. Leslie C. Broughton-Head. *Medical Electrician*—Dr. A. Wood Smith. *Medical Superintendent*—Dr. James R. Riddell. *Matron*—Miss Julia Simpson.

Special Courses of Lectures and Clinical Instruction on the Medical and Surgical Diseases of Children will be given in each of the three terms of the University Session. The University Court has recognised the Hospital under the relevant Subsections of Section VIII. of the Medical Ordinance No. XXXI., for the purpose of hospital attendance and clinical study during the fifth or final year of the curriculum. Students in their third year of clinical study will be given an opportunity of taking part in the regular clinical work in the wards under the supervision of the Visiting Physicians and Surgeons.

The Dispensary (11 West Graham Street), to which the services of a special staff are attached, is open daily for the treatment of outdoor patients.

The Country Branch is at Drumchapel, Dunbartonshire. It is visited regularly by members of the Hospital Staff.

Hospital Fee, admitting to Hospital, Dispensary, and Country Branch for one term, £1 1s.; for whole year, £2 2s. Fee for clinical instruction and special course, £1 15s. each term. This class must be taken by those who desire a qualifying ticket.

Students will be enrolled by, fees are payable to, and further information may be obtained from, the Medical Superintendent, Royal Hospital for Sick Children, Yorkhill.

EYE INFIRMARY, 174 Berkeley Street and 80 Charlotte Street.—Hour of Visit, 1 P.M. daily. Fee for six months, £1 1s.; for twelve months, £2 2s.

OPHTHALMIC INSTITUTION, 126 West Regent Street.—Hour of Visit, 2 P.M. Fee for a qualifying course, £2 2s.

DISEASES OF THE EAR; DISEASES OF THE THROAT AND NOSE; DERMATOLOGY; INSANITY; VENEREAL DISEASES—see Index.

At Gartloch Asylum, Gartcosh, Senior Medical Students may obtain appointments as Resident Clinical Clerks. These appointments are made in April and October for six months. Board and lodging with railway fare to and from Glasgow are allowed, and Classes can be attended in Glasgow in the earlier part of the day. Application should be made to the Medical Superintendent, W. A. Parker, M.B., considerably in advance.

FEVERS.—Clinical Instruction in Fevers is given at the Ruchill Hospital and the Belvidere Hospital. Fee for a course extending over ten weeks, once a week, £1 1s. Apply to Mr. James D. Borthwick, 285 George Street, Glasgow.

## FACULTIES IN THE UNIVERSITY.

The whole classes of the University are arranged in five Faculties—Arts, Science, Medicine, Law, and Divinity.

### I.—FACULTY OF ARTS.

The Faculty of Arts comprehends four Departments of study, viz.:—A. *Language and Literature*, embracing the classes of Humanity, Greek, English, French, German, Italian, Celtic, Hebrew and Semitic Languages; B. *Mental Philosophy*, comprising Logic and Metaphysics, Moral Philosophy, Political Economy, Education; C. *Science*, including Mathematics, Natural Philosophy, Astronomy, Chemistry, Zoology, Botany, Geology, Geography; D. *History and Law*, containing History, Constitutional Law and History, Roman Law, Scottish History and Literature.

#### A. LANGUAGE AND LITERATURE.

##### I. HUMANITY.

The original foundation of this Professorship is not extant; but it appears from the records of the College that it must



have been instituted previous to the year 1637. The Professor is elected by the University Court.

*Professors from the year 1706.*

1706. Andrew Rosse.	1815. Josiah Walker, M.A.
1735. George Rosse.	1831. William Ramsay, M.A.
1754. George Muirhead.	1863. George G. Ramsay,
1773. Wm. Richardson, M.A.	M.A., LL.D., Litt.D.
1906. JOHN SWINNERTON PHILLIMORE, M.A.	

The Humanity Class consists of three classes—the *Ordinary*, the *Intermediate Honours*, and the *Second Year Honours Class*, which latter two classes all members of the Ordinary Class have the option of attending. Students who do not require a Public Certificate for the Degree or other purpose may attend any class as Private Students. Private Students are those who attend the class without taking part in the class work.

In all classes the students prepare certain work prescribed, and are liable to be examined orally every day. In the Honours Class the business is conducted partially by oral examination, but mainly by Lectures and Prelections delivered by the Professor. Exercises in Latin Prose make part of the class-work; *Unseens* are set from time to time, and Latin Verse Composition is taught to those that desire it.

ORDINARY CLASS.

The ORDINARY CLASS meets daily at 9 A.M. All students attending the Ordinary Class have the option also of attending the Honours Class from 11 A.M. to 12 noon, or the Intermediate Class from 1 to 2 P.M. One day a week the Class will meet in sections, of which one will study Roman Britain (a subject for the Degree); and the other two, Prose Composition.

INTERMEDIATE CLASS, 1 P.M.

This class is for those who take a Double Course (Intensive) and are examined on the Higher Standard for the Ordinary Degree. Students commencing in Honours may also attend this class, in which chiefly prescribed Degree work is read. Honours Students of the Second Year and Ordinary Students are free to attend at 1 P.M. if they like. Students commencing in Honours are free to attend also at 11 A.M.

The Roman History Class is alternative to the Humanity Intermediate, and students who intend to take Honours in Classics are recommended to attend it in their second year.

#### HONOURS CLASS, 11 A.M.

In this class more advanced work is read.

Students are allowed to attend as Private Students, *i.e.* as listeners only, without doing any of the work of the class; but in that case they do not receive tickets qualifying for the Degree. The class also meets in small sections for Private Readings; and students are tutorially instructed in composition.

Honours Students, wishing to do Latin Prose for the Degree or other purposes, may attend for Latin Prose only.

The subjects for the Session 1916-17 will be as follows:—

1. ORDINARY CLASS, AT 9 A.M.—Terence, *Andria* and *Adelphi*; Sallust, *Bellum Iugurthinum*; Horace, *Epistles*, Bk. I.; Livy, Bk. IX.; Virgil, *Aeneid*, VIII. and IX.; History of Literature, Antiquities, Grammar, Composition, etc.

2. HONOURS CLASS, (1) Intermediate (*see also under* Roman History)—Terentian Metric; Plautus, *Captivi*; Virgil, *Georgics* II. and III; Cicero, *Select Speeches*.

(2) Second Year—Cicero, *Philippics*; Juvenal.

#### ROMAN HISTORY AND ANTIQUITIES.

This Lectureship was instituted by the University Court in 1912.

*Lecturer.*

1912. STEUART N. MILLER, M.A.

#### ORDINARY CLASS, 9 A.M. ONE DAY WEEKLY.

This class is for those who take Roman Britain as a subject for the Ordinary Degree in Latin (see page 258).

#### INTERMEDIATE AND HONOURS CLASS, 1 P.M. DAILY.

This class is for (a) those who take Roman History as the subject of their Double Course in Latin (see page 259); (b) those in their first year of Honours Latin (alternative to Intermediate

Language and Literature); (c) those who take Roman History as a subject for Honours History (see p. 279). In session 1916-17 courses of lectures will be given on (a) Special Period A (see p. 259), viz., From the Battle of Actium to the death of Nero (31 B.C. to 68 A.D.); (b) Roman Military and Provincial Administration with special reference to Gaul, Germany and Britain. Tutorial classes will also be formed to study texts and inscriptions, and the archaeology of Roman Scotland.

## II. GREEK.

This Professorship was founded by the College in or about the year 1581. The Professor is elected by the University Court.

### *Professors from the year 1704.*

1704. A. Dunlop, LL.D.	1838. Edmund L. Lushington, LL.D.
1746. James Moor, LL.D.	1875. R. C. Jebb, D.C.L., Litt.D.,
1774. John Young, M.A.	LL.D.
1821. Sir Daniel K. Sand-	1889. G. G. A. Murray, M.A., LL.D.
ford, M.A.	1899. John S. Phillimore, M.A.
1906. GILBERT A. DAVIES, M.A.	

### *Lecturers.*

William Rennie, M.A.

Arnold W. Gomme, B.A.

The Greek Class consists of three divisions, the Ordinary, the Intermediate, and the Honours. Students not requiring a Public Certificate may attend as Private Students, *i.e.* without doing the work of the class. Students enrolled in one division are permitted to attend the meetings of another division in whole or in part.

All students should possess the following books:—*Ancient Atlas* (convenient Atlases are published by Dent, in *Everyman's Library*, and by Murray); *Greek Lexicon*, Liddell & Scott (large or intermediate edition—the small edition is not sufficient); some History or Primer of Greek Literature; *First Greek Grammar*, Rutherford (with *Greek Moods and Tenses*, Goodwin, for Honours work).

Students are recommended to get Gow's *Companion to the School Classics*, and Seyffert's *Dictionary of Classical Antiquities, etc.*, translated by Nettleship and Sandys; or, in place of Seyffert, Gardner and Jevons' *Manual of Greek Antiquities*.

## ORDINARY DIVISION.

This is the ordinary qualifying class for graduation; all members of it must have passed the Preliminary Examination in Greek on the higher standard, or an equivalent examination.

All students requiring a certificate of attendance must duly perform the work of the class; but those who do not require a certificate, or those who have not passed the Preliminary Examination, may attend as Private Students, *i.e.* without doing the work.

The class meets at 8 A.M. every week-day except Saturday.

The class is liable to be examined orally or on paper every day. The work done includes the reading of Greek Authors; Greek Prose Composition; Written Exercises in translation; Greek History, Language, Antiquities, and Literature.

See also under Greek History and Archaeology.

## INTERMEDIATE DIVISION.

This division is primarily intended for students taking a second year's course for the Ordinary Degree. It serves also in most cases for the second year's course (or first year's Honours course) of those who are reading for Honours in Classics without intending to take the Higher Ordinary examination, though such students may, with the sanction of the Professor, enter the Honours division without having attended the Intermediate. The Intermediate division is a qualifying course for Honours.

The division meets at 12 noon every week-day except Saturday.

## HONOURS DIVISION.

The Honours division meets at 10 a.m. on Monday, Wednesday and Friday.

See also under Greek History and Archaeology.

*Subjects for Session 1916-17.*

ORDINARY.—Homer, *Iliad*, xxi., xxii.; Euripides, *Iphigenia in Tauris*; Plato, *Protagoras*; Andocides, *de Mysteriis* and *de Reditu*.

INTERMEDIATE.—Homer, *Odyssey*, v.-vii.; Plato, *Phaedo*; Aristophanes, *Frogs*; Euripides, *Heracidae*; Demosthenes, *de Falsa Legatione*.

HONOURS.—Homer, *Iliad*, xxi.-xxiv.; Pindar, *Pythians*; Callimachus, *Selections*.

Students will be given private hours for Prose,

A voluntary class for Greek Verse will be formed.

The following texts and editions are suggested :

Homer, Oxford text, or *Iliad*, ed. Monro, *Odyssey*, ed. Merry ; Plato, Oxford text, or *Protagoras*, ed. Adam, *Phaedo*, ed. Burnet ; Andocides, ed. Marchant or Hickie ; Demosthenes, Oxford text ; Euripides and Aristophanes, Oxford texts.

## I. HELLENISTIC GREEK.

*Lecturer*—WILLIAM RENNIE, M.A.

This class will meet 3 or more hours a week, probably at 11. The work of session 1916-17 will be as follows :

A. St. Luke's Gospel ; Epistle to the Ephesians ; Dionysius of Alexandria ; Lucian, *Icaromenippus* ; Plutarch, *Pericles*.

B. Griechische Papyri (in Lietzmann's *Kleine Texte*) ; Milligan's *Selections from the Papyri*.

C. Lectures :

The Moods and Tenses in Attic and later usage.

The Cynic Philosophy and Propaganda.

The Elementary Principles of Textual Criticism.

This class may be taken as an alternative to the Intermediate Class in Greek Language and Literature. No student will be allowed to qualify for the Higher Ordinary Examination in this subject who has not already passed the degree examination in Greek on the Ordinary Standard ; but any one who desires may attend as a private student.

For the purposes of this class the following books may be suggested as specially useful :—Moulton's *Prolegomena*, or Radermacher's *Neutestamentliche Grammatik* ; Wendland's *Hellenistisch - Römische Kultur* ; R. D. Hick's *Stoic and Epicurean*.

## II. NON-QUALIFYING GREEK.

*Lecturer*—A. W. GOMME, B.A.

This class is intended for students who are over 20 years of age and have passed their full preliminary examination for graduation. The object is to provide an introduction to the study of Greek for those who have had no opportunity of learning it before entering the University ; but those who join the class will be expected to be acquainted with the principal features of Greek accidence.

Meetings will be held three times a week, the hours to be arranged with the class.

Books required: Liddell and Scott's *Lexicon* (large or intermediate edition), a classical Atlas (e.g. that in *Everyman's Library*), Rutherford, *First Greek Accidence* and *First Greek Syntax*.

#### GREEK HISTORY AND ARCHAEOLOGY.

This Lectureship was instituted by the University Court in 1911.

*Lecturer.*

1911. W. R. Halliday, B.A., B.Litt.

1914. J. B. HUTTON, M.A.

#### INTERMEDIATE CLASS IN GREEK HISTORY AND ARCHAEOLOGY.

This class may be taken as an alternative to the Intermediate Class in Greek Language and Literature, or in preparation for the Greek History paper in Honours Classics. No student will be allowed to qualify for the Higher Ordinary Degree in this subject who has not already passed the examination for the Ordinary Degree in Greek.

Private Students are allowed to attend the class on the conditions stated with respect to the Humanity Honours Class (see p. 84).

The class will meet at hours to be arranged at the beginning of the session.

*Session 1916-17.*

The period to be studied will cover Greek History down to 479 B.C. Tutorial classes will be arranged.

The Prescribed Texts will be, Herodotus VII. 172-183, 188-239, VIII. 1-25, 49-97; Aeschylus, *Persae*; Aristotle, *Constitution of Athens*, Chs. I.-XXII.

### III. ENGLISH LANGUAGE AND LITERATURE.

This Chair was founded by Ordinance of the Universities Commission (1858) of date 25th November, 1861, and is in the gift of the Crown.

*Professors.*

1862. John Nichol, LL.D.

1889. Andrew Cecil Bradley, M.A., LL.D.

1900. W. A. Raleigh, M.A.

1904. W. MACNEILE DIXON, M.A., Litt.D.

N.B.—*Students are strongly advised to take the English Literature Class, as has hitherto been the custom, in the later part of their Course. Those who, for special reasons, desire to take it early should consult the Professor before taking out their class-tickets.*

I. ORDINARY CLASS.—This class will meet on Mondays, Tuesdays, Wednesdays, and Thursdays, at 11 A.M.

Lectures will be given on the following subjects :—1, Rise of the Drama ; 2, Chaucer ; 3, Shakespeare ; 4, The Classical Age ; 5, The Age of Wordsworth ; 6, Rhetoric ; 7, The History of the English Language.

The class will meet in sections on Fridays for *viva voce* examinations.

The following texts are prescribed for the work of the class, and for the Degree Examinations : Shakespeare, *Macbeth*, *Midsummer Night's Dream*, *The Tempest* ; Chaucer, *Prologue and Knight's Tale* ; *The English Parnassus*, Dryden to Gray ; Palgrave's *Golden Treasury*, Book IV. ; Johnson, *Lives of Dryden and Pope* ; Byron, *Childe Harold's Pilgrimage*, Cantos III. and IV.

II. INTERMEDIATE CLASS.—The class will meet on Mondays, Tuesdays, Wednesdays and Thursdays at 11 A.M.

Students who wish to graduate in Honours are strongly recommended to take this class, but, if proceeding to the degree of M.A. with Honours in English Language, Literature and British History, must substitute for the Language lectures one day a week special lectures on two days a week. (Hours to be arranged at the beginning of the Session.) Students joining this Honours Language Class are required to take an examination at the beginning of the Session in (a) Elementary O.E. Grammar, (b) Translation (Prose. Texts in A. S. Cook's *First Book of Old English*).

Lectures will be given in the following subjects :—1, Literary Theory ; 2, Shakespeare ; 3, Wordsworth ; 4, The

Seventeenth Century; 5, Eighteenth Century Poetry and Prose; 6, The English Language.

The following texts are prescribed for the work of the class and for the Degree Examinations: Shakespeare, *Hamlet*, *Romeo and Juliet*, *King Lear*; *The English Parnassus*, Dryden to Wordsworth; Palgrave's *Golden Treasury*, Books II. and III.; Goldsmith's *Vicar of Wakefield*; Jane Austen's *Pride and Prejudice*; Johnson's *Journey to the Western Islands of Scotland*.

Extra tutorial lectures will be given during part of the Session on Fridays.

A certain standard of attainment in class work will be required of students in the Ordinary Class who propose to proceed to the Intermediate Class.

III. HONOURS CLASS.—The class meets on Mondays and Tuesdays at 12 noon for the study of special authors and selected subjects connected with the history of English Literature, and on Wednesdays and Thursdays at 10 a.m. for the study of Anglo-Saxon and Middle English.

The hours for tutorial work are by special arrangement.

BRITISH HISTORY CLASS FOR HONOURS IN ENGLISH. — See page 115.

ITALIAN FOR HONOURS IN ENGLISH.—See page 96.

DEGREE EXAMINATIONS.—The subjects will be found on page 273.

Students who propose to graduate with Honours in Philosophy and English are required to take only the papers in English Literature and British History (or Italian), and to write a Thesis.

## ENGLISH LANGUAGE.

*Lecturer.*

1907. RITCHIE GIRVAN, M.A.

This department provides instruction for the M.A. degree with Honours (a) in English, and (b) in Germanic Languages. The work of the department is organised on the basis of a two years' course. A certain amount of the work done is common



to both departments. Students reading for Honours in English meet for the first year course on Wednesdays and Thursdays at 10 a.m. (as stated above), and for the second year course at an hour to suit the convenience of those concerned (usually 10 o'clock). Students for Honours in Germanic languages will take advanced instruction at an hour and on days to be later determined. The latter should consult the lecturer at the earliest possible opportunity. All the advanced work in Gothic and in Germanic Philology will, in the meantime, be done in this department.

The work for session 1916-17 is as follows:

- I. FIRST YEAR.—1. Sweet: *Anglo-Saxon Reader*.  
 2. Emerson: *Middle English Reader*.  
 3. Old English Grammar.  
 4. History of English Language.

And in addition for students in the Germanic group.

5. Chaucer, esp. *The Canterbury Tales*.  
 6. *Havelok the Dane*.  
 7. Lectures on Principles of Linguistics  
 and Early English Literature.

*This First Year Class is a qualifying Higher Ordinary Class in English, and may be taken as an alternative to the Intermediate Class (p. 89).*

II. SECOND YEAR.—1 and 2 as above (advanced work).

3. *Beowulf*.  
 4. Lectures on English Historical Grammar, Metric, etc.

And in addition for students of the Germanic group.

5. Gothic—Grammar and texts.  
 6. Translation and discussion of selected  
 Degree texts in Old and Middle  
 English.  
 7. Lectures on Principles of Germanic  
 Philology.

Exercises will be held from time to time in grammar and sight translation.

For the subjects for degree see page 273. A list of textbooks recommended for study will be announced in class. Advanced students will be advised privately as to their reading.

IV. FRENCH LANGUAGE AND LITERATURE.<sup>1</sup>

This Lectureship was instituted by the University in 1895.

*Lecturers.*

1895. Alfred Mercier, L. ès L.

1898. CHARLES MARTIN, M.A. (Paris), O.I.P.

I. ORDINARY CLASS.—This Class meets at 12 noon. *It is for the most part conducted in French.*

The work of the class will comprise the following subjects :

(a) *Literature.*—Une période de la littérature moderne.

(b) Histoire de la civilisation française.

Textes : Corneille, *Le Cid*, *Cinna* (Hachette); Racine, *Britannicus* (Hachette); La Fontaine, *Fables* (Nelson); Molière, *Les Femmes savantes* (Hachette); Mme. de Sévigné, *Lettres* (Nelson); Rousseau, *Morceaux choisis* (Didier); Bernardin de Saint-Pierre, *Paul et Virginie* (Nelson); Chateaubriand, *Atala*, *René* (Nelson); Balzac, *Le Père Goriot* (Nelson); Flaubert, *Salammbô*, *Trois Contes* (Nelson); *Les Cent Meilleurs Poèmes lyriques* (Gowans & Gray); Victor Hugo, *Morceaux choisis. Poésie* (Delagrave).

*Language.*—(a) Explication de textes.

(b) Leçons sur l'histoire de la langue française.

(c) Questions de langue, de prononciation, etc.—Thèmes.—Compositions françaises.—Version.

II. INTERMEDIATE (OR HIGHER ORDINARY) CLASS.—The class meets at 10 A.M.

(a) *Literature.*—Une période de la littérature moderne.

(b) Histoire générale, 1600-1900.

Text-books : *La Chanson de Roland*, ed. G. Paris (Hachette); *Ronsard et les Poètes de la Pléiade* (Gowans & Gray); Corneille, *Polyeucte* (Hachette); Racine, *Bérénice* (Bibl. Nationale (Pflüger)); Molière, *Les Femmes savantes* (Hachette); La

<sup>1</sup> The Senate, with the approval of the University Court, have agreed that in the case of students enrolled in the Intermediate and Honours Class in French, German, or Italian, and on the recommendation of the Professors or Lecturers whose classes they are attending, permission be granted by the Senate to spend the third term of the academic year, for the purpose of study, in France, Germany, or Italy. In all cases reports satisfactory to the heads of the respective departments must be received regarding the diligence and progress of the students in their studies abroad. Applications to be addressed to the Clerk of Senate.

Rochefoucauld, *Maximes* (Dent); Voltaire, *Siècle de Louis XIV.* (Hachette); Rousseau, *Morceaux choisis* (Didier); Lamartine, *Jocelyn* (Oxford Press); Victor Hugo, *Morceaux choisis. Poésie* (Delagrave); Mérimée, *La Chronique de Charles IX.* (Nelson); E. & J. de Goncourt, *Pages choisies* (Colin); Barrès, *Colette Baudouche* (E. Paul); Maeterlinck, *Morceaux choisis* (Nelson); Balzac, *Le Père Goriot* (Nelson); Fromentin, *Dominique*.

*Language.*—Histoire de la langue française. Grammaire historique (Text-book: Darmesteter, *Grammaire historique, Morphologie et Vie des mots*). Versification.

Questions de langue, etc., Thèmes, Versions, Compositions françaises, Explications de textes.

### III. HONOURS CLASS.—This Class meets at 10 A.M.

A. Translation from Old French, and from Modern French into English, and from English into French.

B. The language and versification of prescribed texts (Old and Modern French), the History of the Language, and Historical French Grammar. Reading recommended: Brunot, *Histoire de la langue française* (Colin); vols. I. and II.; Darmesteter, *Historical French Grammar* (Macmillan) [or in the French edition (Delagrave)], especially vols. II. and IV.; Darmesteter and Hatzfeld, *Tableau de la littérature et de la langue au xvi<sup>e</sup> siècle* (Delagrave).

#### C. Prescribed Texts:

I. EARLY PERIOD: *La Vie de Saint Alexis*, ed. G. Paris (Champion); *La Chastelaine de Vergi* (Champion); *Chrestomathie du moyen âge* (Hachette); Darmesteter et Hatzfeld, *Morceaux choisis du xvi<sup>e</sup> siècle* (Delagrave); Ronsard (Gowans & Gray); d'Aubigné, *Les Tragiques* (Dent).

II. XVII<sup>TH</sup> AND XVIII<sup>TH</sup> CENTURIES: General knowledge of authors discussed in Class Lectures, 1915-17.

III. MODERN POETRY: Lamartine, *Premières Méditations* (Hachette, 1912), *Jocelyn* (Oxford Press); V. Hugo, *Morceaux choisis* (Delagrave); Leconte de Lisle, *Poèmes barbares* (Lemerre); Heredia, *Les Trophées* (Lemerre); *Anthologie des Poètes français* (Lemerre).

IV. MODERN PROSE: J. J. Rousseau, *Morceaux choisis* (Didier); B. de Saint-Pierre, *Paul et Virginie* (Nelson); Chateaubriand, *Atala*, *René* (Nelson); Balzac, *Le Père Goriot*;

George Sand, *La Mare au Diable*; Flaubert, *Salammbô* (Oxford Press), *Trois Contes* (Nelson); Fromentin, *Dominique* (Plon-Nourrit); Goncourt, *Pages choisies* (Colin); Loti, *Ramuntcho* (C.-Lévy); Maeterlinck, *Morceaux choisis* (Nelson); Barrès, *Colette Baudouche, Au Service de l'Allemagne* (E. Paul); A. Lebreton, *Le Roman français au XIX<sup>e</sup> siècle* (Soc. fr. d'Imprimerie).

*N.B.*—Tutorial Classes meet for the study of texts, the correction of pronunciation and of exercises, for reading, and for conversation on the subject of the class lectures. They form part of the regular course of instruction in French.

A class library provided with books of reference is open to the students from 9 a.m. till 5 p.m.

*Private Students.*—In common with other subjects, the French Classes are open to students who do not intend to graduate. Such students are at liberty to attend the Literature or the Language Lectures in the Ordinary Class (Fee, £2 2s.), or the Lectures in the Higher or Honours Classes (Fee, £4 4s.).

## V. GERMAN LANGUAGE AND LITERATURE.<sup>1</sup>

This Lectureship was instituted by the University in 1899.

### *Lecturers.*

1899. Alexander Tille, Ph.D.

1900. George P. Thistlethwaite, B.A., Ph.D.

1907. HERBERT SMITH, M.A., Ph.D.

**I. ORDINARY CLASS.**—This class meets at 10 a.m. in the Conveyancing Class Room, and the course qualifies for graduation in Arts. Students who do not intend to graduate may take either the Language section or the Literature section of the class alone. The fee for one section of the class is £2 2s.

The work will be done in German.

Women students have the option of attending either this class or the class at Queen Margaret College (see page 204).

The following subjects will be treated:

### A. *Language.*

1. Composition.—Weekly exercises in composition will be set.

<sup>1</sup> See footnote on p. 92.

## 2. History of the German Language.

B. *Literature.*

## 1. German Literature from 1745 to 1832.

2. Reading of selections from : Lessing, *Minna von Barnhelm* ; Goethe, *Gedichte*, *Hermann und Dorothea*, Prose Selections, *Götz*, *Tasso* ; Schiller, *Gedichte*, *Jungfrau von Orleans*, *Braut von Messina*, *Wallenstein*.

3. A number of the above texts and also Klee, *Grundzüge der deutschen Literaturgeschichte*, will be prescribed for private reading.

II. INTERMEDIATE CLASS.—This class meets at 9 a.m. It serves both as a second year's course for the Higher Ordinary Degree and as a second year's course (or first year's Honours course) for the Honours Degree.

The following subjects will be treated :

1. Historical German Grammar (Phonology, Etymology).
2. History of German Poetry (Lyric, Ballad, Volkslied).
3. Reading of selections from German Poetry.
4. Gottfried von Strassburg, *Tristan*.
5. Schiller's Dramas.
6. Prose Composition. Essays.

III. HONOURS CLASS.—This class meets at 9 a.m.

- 1, 2, and 3 (see *Intermediate Class*).
4. Old High German (selections) ; Middle High German : *Tristan*, Walther von der Vogelweide.
5. Goethe's *Faust*.
6. Prose Composition. Essays.

Special Classes will be held in Old and Middle High German for those taking the Germanic Language Honours Group.

Tutorial Classes will be held in connection with the Ordinary, Intermediate and Honours Classes for the practice of conversation and pronunciation, the correction of exercises and essays and the study of texts, and in connection with the Honours Class also for translation at sight and for Old and Middle High German.

**ELEMENTARY CLASS.**—An Elementary Class may meet two or three times a week during the two winter terms, for the benefit of those who have passed the full Preliminary Examination.

## VI. ITALIAN LANGUAGE AND LITERATURE.<sup>1</sup>

This Lectureship was instituted by the University Court in 1902.

*Lecturer*—ERNESTO GRILLO, M.A., Litt.D. (Flor.), LL.D.

**ORDINARY CLASS.**—This class qualifies for graduation.

Lectures will be given on the following subjects :

A. *Language*.—History of the Language. Composition. Theory of Style.

B. *Literature*.—Dante. The Italian Literature from S. Francis of Assisi to Machiavelli. Italian Fine Arts during the 14th and 15th centuries.

Books: Dante, *La Divina Commedia*; *The Oxford Book of Italian Verse*; Machiavelli, *Il Principe*; Tasso, *l'Aminta*; idem, *La Gerusalemme Liberata*; Manzoni, *Le Odi*; idem, *Le Tragedie*; Rossi, *Storia della Letteratura Italiana*, Vol. I.

Students who do not intend to graduate may attend either the Lessons on Language or the Lectures on Literature on payment of a fee of £2 2s.

Students taking Italian Higher will be placed in the Honours Class, but special work will be prescribed to them.

**HONOURS CLASS.**—Fifty Lectures will be given on: Special Authors and Subjects connected with the History of Italian Literature; the Italian Literature and its relation to the French and English Literature, up to Molière and Milton.

Books: Dante, *Purgatorio* and *Paradiso*; Boccaccio, *Novelle Scelte*; Petrarca, *I Trionfi*; Ariosto, *L'Orlando Furioso*; Tasso, *La Gerusalemme Liberata*; Monti, *Le Tragedie*; Alfieri, *Tragedie Scelte*; Foscolo, *I Sepolcri*; Carducci, *Prose e Poesie Scelte*; Rossi, *Storia della Letteratura Italiana*, Vols. II. and III.

**ITALIAN LITERATURE FOR HONOURS IN ENGLISH.**—This class is entirely conducted in English. Fifty Lectures will be given on: The Italian Renaissance and its Relation to English Literature (*cont.*). The Literary Relations between Italy and England from Dante to Milton.

<sup>1</sup> See footnote on p. 92.

Students wishing to take this Class are not required to pass the Preliminary Examinations in Italian, but an opportunity will be given to them to acquire a reading knowledge of Italian.

An Elementary Class (fee £2 2s.) may meet on Mondays and Thursdays during the first twenty weeks of the Session for the convenience of graduating and non-graduating students. Language and Literature up to the Preliminary Standard. Students attending the English, French or Latin classes will be admitted free of charge.

The classes are open to both men and women.

#### VII. HEBREW.

(See under Faculty of Theology, p. 187.)

#### VIII. ARABIC.

(See under Faculty of Theology, p. 189.)

#### IX. CELTIC.

The late Rev. Archibald Keily M'Callum, LL.D., by his holograph will, dated 8th March, 1881, to which were attached three codicils (the last dated 27th January, 1892), directed his Trustees, among other purposes, to devote an annual sum to a Lectureship, or a course of not fewer than fifteen Lectures, on Celtic Literature. He left detailed directions as to certain subjects which were to be among those discussed. The Lecturer was to be appointed by the University Court for a period of three years, and was to be eligible for re-election after a subsequent appointment for three years had been made. Matriculated students and others might attend the Lectures. Dr. M'Callum also directed that his library should be handed over to the University as a nucleus for a Celtic Library for the use of the Lecturers and such students as might attend the Lectures, and any others interested in Celtic Literature. The Library was to be kept separate and designated "The Celtic Lectureship Library," and the sum of £10 to be annually expended in making additions thereto.

In 1910 the Trustees of the late Mr. Alexander Fleming allocated to the University a sum of £5000, and the Univer-

sity Court resolved to use this sum for the further endowment of the Celtic Lectureship. The Court also resolved that in future the Lectureship should be known as the M'Callum-Fleming Lectureship.

*Lecturers*—1900. Professor Magnus Maclean, D.Sc.

1903. Professor Kuno Meyer, Ph.D.

This lectureship was placed on a new footing by a Provisional Order made by His Majesty's Secretary for Scotland under the provisions of the Private Legislation Procedure (Scotland) Act, 1899, and confirmed by Parliament on 4th August, 1905, by the Glasgow University Order Confirmation Act, 1905.

*Lecturers*—1906. GEORGE HENDERSON, M.A., Ph.D.

1912. GEORGE CALDER, M.A., B.D.

The course qualifies for graduation in Arts. Any student who attends with a view to this must previously have passed a Preliminary Examination in Scottish or Irish Gaelic, or in Welsh, including translations from and into English, with grammatical, literary, and philological questions.

The Celtic Class is in three divisions : Ordinary, Intermediate, and Honours.

The subjects for 1916-17 include :

I. ORDINARY.—1. Gaelic Prose Composition.

2. Grammar, including Phonology and Metrics.

The books recommended are : Gillies, *The Elements of Gaelic Grammar* ; MacBain, *Outlines of Gaelic Etymology* ; Meyer, *A Primer of Irish Metrics* (or "Note on the Metrics, Appendix IV.," pp. 513-519, in *The Songs of Duncan MacIntyre*).

3. *Modern Gaelic Authors*.—Selections from (a) *Teagas nan Cosamhlachdan* ; (b) *The Beauties of Gaelic Poetry*. The Dictionaries recommended are those of Macleod and Dewar (or the Highland Society's *Dictionary*), MacAlpine, Armstrong, Macdonald (Herne Bay), and especially MacBain's *Etymological Dictionary*.

4. *Older Gaelic*.—*The Book of Clanranald*. The books recommended as useful for the study of this text are : Dinneen, *An Irish-English Dictionary* ; Joyce, *A Grammar of the Irish Language* ; The Christian Brothers, *A Gaelic Grammar* ; or the larger work of O'Donovan.



5. Occasional Lectures on History, Literature and Philology.

The class meets every week-day except Saturday at 4 p.m.

II. INTERMEDIATE.—This division of the class is for those students who, having passed the Ordinary, take a double course (not a repetition of the Ordinary), or are examined in the Higher Standard for the Ordinary Degree. Students commencing in Honours attend this class, in which also prescribed degree work is read. For 1916-17 the subjects include :

Bergin's *Stories from Keating's "History of Ireland."*

Strachan's *Stories from the Táin.*

Recommended are Pokorny's *A Concise Old Irish Grammar*; O'Connell's *A Grammar of Old Irish*; and Thurneysen's *Handbuch des Alt-Irischen*; Strachan's *Old Irish Paradigms.*

The class meets on Monday, Wednesday, and Friday at 3 p.m., and on Tuesday and Thursday at 4 p.m.

III. HONOURS.—This division of the class is chiefly for the study of older Gaelic, and for transcribing MSS. and Facsimiles.

Extracts are read from :

1. *Auraicept na n-Eces.*

2. The Würzburg Glosses. *Thesaurus Palaeohibernicus*, i. 499-714.

The class meets on Monday, Wednesday, and Friday at 3 p.m. Extra hours are given for the Degree work.

ELEMENTARY.—An elementary class (fee £2 2s.) meets two days per week as may suit the convenience of the students during the first twenty weeks of the session. Language and literature up to the Preliminary Standard.

## B. MENTAL PHILOSOPHY.

### I. LOGIC AND RHETORIC.

This Professorship is one of those founded in the charter of *Nova Erectio* in 1577. The Professor is elected by the University Court.

*Professors from the year 1727.*

1727. John Loudon.	1827. Robert Buchanan, LL.D.
1751. Adam Smith, LL.D.	1864. John Veitch, LL.D.
1752. James Clow.	1895. Robert Adamson, LL.D.
1787. George Jardine, M.A.	1902. ROBERT LATTA, D.Phil.

I. ORDINARY CLASS.—The Ordinary Class meets on three or four days of the week, from 9 to 10 A.M.

The Course of Lectures includes the following subjects:—

(a) LOGIC.—The Principles of Deductive and Inductive Logic. Special reference will be made to Mill's *Logic*, Books I., II., and III.

(b) PSYCHOLOGY.—A general account of the composition and development of Mind, with a more detailed consideration of the process of knowledge.

Students before entering the class are recommended to read some elementary work on Formal Logic, such as Jevons' *Elementary Lessons in Logic*, Russell's *Introduction to Logic*, or Mellone's *Introductory Text-book of Logic*, and also some elementary book on Psychology, such as Stout's *Groundwork of Psychology*, or Loveday and Green's *Introduction to Psychology*.

II. HIGHER ORDINARY CLASS.—The Higher Ordinary Class meets on three or four days of the week, from 10 to 11 A.M.

The Course of Lectures includes:—

(a) LOGIC.—A more advanced study of the Principles of Deductive and Inductive Logic, with special reference to Mill's *Logic* and Bosanquet's *Essentials of Logic*.

(b) HISTORY OF PHILOSOPHY.—In Session 1916-17, Modern Idealistic Philosophy, chiefly British.

Students before entering the Higher Ordinary Class are recommended to read Mill's *Logic*, Books I., II., and III., and Taylor's *Elements of Metaphysics*, Part III.

III. HONOURS CLASS.—In the Honours Class lectures are given on some of the subjects prescribed for Honours in Mental Philosophy. During next session this class will meet at 11 A.M., on three or four days weekly.

Students before entering the Honours Class are recommended to read (1) the sections on pre-Kantian philosophy in any history of Modern

Philosophy, e.g. Höffding, Falckenberg, Erdmann, or Adamson, and (2) Some history of Greek Philosophy (period before Plato), as Zeller, Burnet, Erdmann, or Gomperz. Janet and Séaille's *History of the Problems of Philosophy* should also be consulted.

Students who desire to take a second course, qualifying for the Ordinary M.A. Degree, in the Department of Logic, may attend either the higher ordinary class or a class in Psychology conducted by the Lecturer in Psychology.

## EXPERIMENTAL PSYCHOLOGY.

*Lecturer*—1908. HENRY J. WATT, M.A., Ph.D., D.Phil.

1. Systematic lectures on the main principles and facts of modern psychology are given concurrently with a series of simple exercises illustrating fundamental methods of experiment and observation, and their results. The course is intended to serve as a general introduction to psychological study. It may be taken as a second course in Logic (q.v.) or as a part of the work for the B.Sc. Examination in Physiology (p. 147). The class meets on three or four days of the week from 10-11 a.m.

*Text-book*—C. S. Myers, *Text-book of Experimental Psychology* (for class work and private study).

2. Advanced classes will be formed as required to meet the needs of students who are familiar with the above course and desire further instruction. The work may consist either of lectures or of experiments. The formation and scope of these classes will depend upon the number and qualifications of the students who offer themselves. The psychological laboratory is available for research. Students who wish to take up such work or to obtain practice in experimental observation by independent effort should consult with the lecturer.

## II. MORAL PHILOSOPHY.

This Professorship was founded by the charter of *Nova Erectio* in 1577. The Professor is elected by the University Court.

*Professors from the year 1727.*

1727. Gerschom Carmichael.	1796. Archd. Arthur, M.A.
1730. F. Hutcheson, LL.D.	1797. James Mylne, M.A.
1746. Thomas Craigie.	1839. William Fleming, D.D.
1752. Adam Smith, LL.D.	1866. Edward Caird, D.C.L.,
1764. Thomas Reid, D.D.	LL.D.

1894. SIR HENRY JONES, LL.D., F.B.A.

Lecturers—{ JOHN W. SCOTT, M.A.  
GEORGE A. JOHNSTON, M.A.

*N.B.*—No student, who is proceeding to a degree, shall be allowed to attend the class of Moral Philosophy during the first session of his or her course, except by the express permission of the Professor or the Adviser of Studies in Arts.

The Moral Philosophy Class meets at 8 A.M.

In this class Moral Philosophy is treated both historically and systematically. In connection with the systematic part of the course lectures are given on the metaphysical and psychological implications of Morals, and in connection with the historical part the development of Morals is traced, and an account given of some of the main ethical theories of ancient and modern times.

The work of the class will further comprise the study of Plato's *Republic*, Carlyle's *Sartor Resartus*, and H. Jones' *Idealism as a Practical Creed*.

Students taking Moral Philosophy as a second course for the purpose of ordinary graduation, under the regulations for the Five or Six Subjects Degree, will attend the Intermediate Class. The lectures will deal mainly with the History of Moral Theories, and with more special reference to the ethical doctrines of Aristotle and Kant. The students will be required to study Aristotle's *Ethics*, Kant's *Metaphysics of Morals*, and Green's *Prolegomena to Ethics*.

In the Honours Class of Moral Philosophy the Professor will lecture on some of the subjects prescribed for the Degree with Honours. During next session this class will meet at 12 noon.

EDWARD CAIRD LECTURESHIP IN POLITICAL  
PHILOSOPHY.

*Lecturer*—ROBERT A. DUFF, D.Phil.

Under the regulations for graduation a combined course in Political Philosophy and Social Economics counts as a qualifying Higher Ordinary course in Moral Philosophy or Political Economy for students who have already attended the ordinary Moral Philosophy or Political Economy class. The Class is intended also to meet the requirements, in this subject, of students preparing for the Degree of M.A. with Honours in *Mental Philosophy*, or in *Economic Science*, and for the Home and Indian Civil Service Examination in Political Science.

The Course of Lectures will include a discussion of the main theories as to the nature and functions of the State; a critical account of the growth of institutions; and an analysis of the moral principles underlying political rights and obligations. In different years such problems as Criminology and the theory of Punishment, Local and Imperial Government, and Administration will be specially dealt with.

Students will be expected to pursue during the Session a course of reading in prescribed portions of books dealing with the subjects treated of in the Lectures, and, in particular, to acquire an accurate knowledge of the political treatises of Hobbes, Locke, Rousseau, and Burke, and of the chief political theories of the 19th century.

## III. POLITICAL ECONOMY.

This Chair (called the Adam Smith Chair of Political Economy) was founded by Ordinance No. 149 of the Universities Commission (1889) of date 25th February, 1896, with an endowment of fifteen thousand pounds sterling, given by Mr. Andrew Stewart, merchant, Glasgow. The patronage is vested in the University Court, conjointly with one representative from time to time elected by the Merchants' House of the City of Glasgow, one representative from time to time elected by the Trades' House of the City of Glasgow, and one representative from time to time elected by the Chamber of Commerce of the City of Glasgow. The professor is a professor in the Faculties of Arts and Law.

Before the founding of the Chair, Political Economy was attached to the Chair of Moral Philosophy till 1892, when a separate lectureship was instituted by the University.

*Professor.*

1896. William Smart, M.A., D.Phil., LL.D.

1915. Wm. Robert Scott, M.A., D.Phil., Litt.D., F.B.A.

*Senior Assistant*—J. H. JONES, M.A.

*Junior Assistant*—(Vacant.)

The Political Economy Ordinary Class meets at 2 P.M.

The Lectures are partly analytical, partly historical, and reference will be made to contemporary conditions and problems. After a short introduction, the course will deal with Value: the Agents of Production: Distribution and Exchange. (Text-books: Marshall, *Elements of Economics of Industry*, last revised edition; Pierson, *Principles of Economics*, Vol. I.; Smart, *The Theory of Value*, new edition, 1910; and *The Distribution of Income*, second edition, 1912.)

HONOURS CLASS. The Class meets at 3 P.M. The course of lectures will include an enquiry into the principles of Public Finance, with some study of the Theory of the State as bearing thereon. Special study will be made of current economic problems as they present themselves. Students are recommended to confine themselves for preparatory reading to mastering Marshall's *Principles of Economics*, Books V. and VI.

SOCIAL ECONOMICS.

*Lecturer*—JOHN HARRY JONES, M.A.

This Lectureship, instituted by the University Court in 1908, is intended to assist students who wish to devote special attention to contemporary social problems. The work will be closely associated with that of the classes in Political Economy and Political Philosophy. Students desiring to take a second course in Political Economy or Moral Philosophy may take a combined course of Social Economics and Political Philosophy.

The class will meet three times a week for one half of the session. During the session 1916-1917 the lectures will be mainly devoted to an examination of the economic effects of the present war. Students are required to read, and will be examined upon the Report on Scotland of the Poor Law Commission, 1909. They are also required to perform an amount to be specified of practical work in connection with selected social organisations. The following books are recommended for preparatory reading: *The Poor Law Commissioners' Report of 1834* (Reprinted 1905, Cd. 2728); Jones, *The Economic Effects of War and Conquest*.

#### ECONOMIC HISTORY.

*Lecturer*—(Vacant.)

(*Provisional*).—The lectures will deal with economic history in the early modern period with reference to original authorities.

#### IV. EDUCATION.

This Lectureship was instituted by the University in 1894.

*Lecturers.*

1894. David Ross, M.A., B.Sc., LL.D.

1899. John Adams, M.A., B.Sc.

1902. John Clark, M.A.

1907. WILLIAM BOYD, M.A., B.Sc., D.Phil.

The Education Class meets three days a week at 4.15 P.M.; the tutorial sections meet once a week at hours to be fixed at the beginning of the session. The course consists of seventy-five lectures, which together with the tutorial work qualify for graduation in Arts.

The Course of Lectures will be as follows:

(1) The Development of Educational Theory and Practice in the Nineteenth Century; (2) Methods of Child Study.

In the tutorial classes, some of the more important works of the period of history taken up will be studied. This session, the special books prescribed are Rousseau's *Émile* and Pestalozzi's *How Gertrude Teaches her Children*. In connection with the

*Émile*, students will read the lecturer's "*Educational Theory of Jean Jacques Rousseau*." In addition to this, an investigation by child study methods will be undertaken, and current educational problems discussed.

*N.B.*—Students taking the Education Class for graduation are required to attend it either after or along with a class in Logic or Moral Philosophy.

## C. SCIENCE.

### I. MATHEMATICS.

This Professorship, long suppressed for want of funds, was revived by an Act of Faculty in 1691. The Professor is appointed by the University Court. He is a member of the Faculty of Arts, and also, since 1893, of the Faculty of Science.

*Professors from the year 1691.*

1691. George Sinclair.	1796. James Millar, M.A.
1699. Robert Sinclair, M.D.	1832. James Thomson, LL.D.
1711. Robert Simson, M.D.	1849. Hugh Blackburn, LL.D.
1761. James Williamson, D.D.	1879. William Jack, LL.D., D.Sc.
1909. GEORGE A. GIBSON, M.A., LL.D.	

#### I. Ordinary Class.

This is the qualifying Class for the Ordinary Degree of M.A. (Single Course), and for the Degree of B.Sc. in Pure Science (First Examination). Sections of the Class meet daily from 8 to 9 and from 12 to 1, the subjects of study and the examinations being the same for each Section.

The work of the Class includes: *Geometry of Similar Figures* and *Elements of Higher Geometry*; *Algebra* with graphical representation of functions; *Trigonometry*; *Elements of Co-ordinate Geometry*.

#### II. Higher Ordinary Class.

This Class meets daily from 10 to 11, and is intended for those who take a Double Course and are examined on the Higher Standard for the Ordinary Degree. Students beginning a course for the Honours Degree may, at the discretion of the professor, attend this Class instead of the Ordinary Class.



The work of the Class includes: *Higher Geometry* in continuation of the course in the Ordinary Class; *Higher Algebra* with elementary *Theory of Equations and Infinite Series*; *Higher Trigonometry*; *Elements of Co-ordinate Geometry* and *Introduction to the Calculus*.

### III. *Intermediate Honours Class.*

This Class meets daily from 10 to 11; it forms the advanced course in Mathematics for candidates for the Degree of B.Sc. in Pure Science who take Mathematics as a subsidiary subject.

The work of the Class includes: *Higher Algebra and Trigonometry*; *Plane and Elements of Solid Co-ordinate Geometry*; *Differential and Integral Calculus* with elementary *Differential Equations*.

### IV. *Advanced Honours Class.*

This Class meets daily from 9 to 10.

The work of the Class includes: *Infinite Series*; *Definite Integrals*; *Differential Equations*; *Analytical Geometry*; *Elements of Function Theory*.

Students reading for an Honours Degree in Mathematics should consult the professor in regard to the optional subject which they wish to select for the Honours Examination; additional meetings will, as far as possible, be arranged for, in which students may have opportunities of revising the whole work of the course, and of obtaining guidance in their study of the optional subjects.

### V. *First Course for Engineers.*

This Class meets daily from 12 to 1 during the first two terms, and is intended for students who are taking any of the courses in Engineering.

The work of the Class includes: *Algebra and Trigonometry*; *Elementary Co-ordinate Geometry and Graph Tracing*; *Use of Graphic Methods*; *Introduction to the Calculus*.

### VI. *Second Course for Engineers.*

This Class meets daily from 11 to 12 during the first two terms. Students who have not attended the First Course for Engineers may, at the discretion of the Professor, be admitted to this Class.

The work of the Class includes: *Differential and Integral Calculus* with the more important types of *Differential Equations*; *Elementary Co-ordinate Geometry of two and three Dimensions*; *Harmonic Analysis*.

For the "Lorimer," the "Metcalf," and the "Muir" Bursaries in Mathematics, see under Bursaries; and for the Cunningham Gold Medal, see under Prizes.

## II. NATURAL PHILOSOPHY.

This Professorship was founded by the Charter of *Nova Erectio* in 1577; and the Professor was confined to the department of Natural Philosophy in 1727. The Professor is elected by the University Court. He is a member of the Faculty of Arts, and also, since 1893, of the Faculty of Science, and since 1911 of the Faculty of Medicine.

*Professors from the year 1727.*

1727. Robert Dick.

1751. Robert Dick, M.D.	1803. W. Meikleham, LL.D.
1757. John Anderson, M.A.	1846. Lord Kelvin, D.C.L.
1796. James Brown, LL.D.	LL.D., F.R.S.
1899. ANDREW GRAY, M.A., LL.D., F.R.S.	

*Lecturers.*

PHYSICS (for Students of Medicine),	J. G. Gray, D.Sc., F.R.S.E.
PHYSICAL OPTICS, -	R. A. Houstoun, M.A., Ph.D., D.Sc.
ELECTRICITY—PURE AND APPLIED,	G. E. Allan, D.Sc.
NATURAL PHILOSOPHY, -	G. Green, M.A., D.Sc.

*University Assistants.*

J. G. Gray, D.Sc., F.R.S.E.  
R. A. Houstoun, M.A., Ph.D., D.Sc.  
G. Green, M.A., D.Sc.  
Chas. Cochrane, M.A., B.Sc.

*Arnott and Thomson Demonstrator.*

G. E. Allan, D.Sc.

*Mechanical Assistant.*

George B. Burnside.

I. GRADUATING COURSES.—The following are the courses of attendance required for graduation in the several faculties :<sup>1</sup>

M.A. (Ordinary Course).—Ordinary Lecture Class.

M.A. (Higher Course).—Ordinary Lecture Class and Higher Class C. Laboratory Course of one term of 10 hours per week, or two terms of 6 hours per week.

M.A. (Honours).—Ordinary Lecture Class, and Higher Classes C. and A., with Laboratory Courses as detailed below for B.Sc. in Pure Science on Subsidiary Subject Standard.

B.Sc. (Pure Science).—(a) First Science Examination: Ordinary Lecture Class and the Ordinary Laboratory Course (one term of 10 hours per week, or two terms of 6 hours per week). (b) Final Science Examination: (i) *As a Principal Subject*: (a) For students who intend to profess mainly Mathematical Physics—Class C, Dynamics and Physics; Class A, Higher Mathematical; one term of 6 hours per week in Advanced Laboratory work. (b) For students who intend to profess mainly Experimental Physics—Class C, Dynamics and Physics; three terms of 6 hours per week in advanced Laboratory work. [Candidates to undergo an examination, including a practical examination, on the determination of Physical Constants.] (ii) *As a Subsidiary Subject*: Higher Class C, and Advanced Laboratory Course of one term of 10 hours per week, or of 6 hours per week in cases where the student has previously attended for two terms in the Ordinary Laboratory. The course here specified, including Laboratory Work, must be completed previous to entrance for the Examination. A record of research work undertaken by the candidate will, if submitted, be taken account of as a qualification for the Degree.

B.Sc. (Eng. Sc.).—(a) First Science Examination: As for B.Sc. in Pure Science. (b) Final Science Examination: Higher Class B. The course in Electricity, Pure and Applied, is one of the Options for this Degree.

B.Sc. (Agric.).—(a) First Science Examination: Ordinary Lecture Class. (b) Final Examination: The course for Experimental Physics (optional subject) is the Ordinary

<sup>1</sup> The courses for the Degree of B.Sc. in Applied Chemistry are under consideration as to details.

Laboratory Course (one term of 10 hours per week, or two terms of 6 hours per week).

B.Sc. (Public Health).—Laboratory Course of 6 hours per week during first term of the winter session. There is also in addition a tutorial course of lectures (free) in the second winter term.

M.B., Ch.B.—First Professional Examination : Physics Lecture Class and Practical Physics. (See under Physics.)

II. ORDINARY LECTURE CLASS.—This Class meets daily at 9 A.M. The main divisions of the course are Elementary Dynamics and Properties of Matter, Sound, Heat, Light, Magnetism and Electricity. These will be fully illustrated by experiments. A detailed programme of the course will be supplied to each student at the beginning of the session.

III. HIGHER MATHEMATICAL CLASS, A.—This class meets three hours weekly throughout the full Arts session, on Mondays from 11 A.M. to 12 noon, and on Wednesdays and Fridays from 12 noon to 1 P.M. The work comprises the Mathematical Theories of selected special branches of Natural Philosophy. The subjects treated will be Higher Dynamics, and one or more of the following: Hydrodynamics, Sound, Elasticity, Thermodynamics, Conduction of Heat, Optics, Magnetism, and Electricity.

IV. HIGHER CLASS, B.—This class meets on Mondays, Tuesdays, and Thursdays at 12 noon. The subjects treated are Dynamics, and two or more of the following: Hydrostatics and Hydrokinetics, Elasticity, Thermodynamics, and Electricity. These will be treated in such detail and with such reference to practical problems as may render the course suitable for Students of Engineering. Students are strongly advised to attend in Mathematics the Second Course for Engineers, or the Intermediate Honours Class, before taking this course.

V. HIGHER CLASS C.—This Class meets on Mondays, Tuesdays, and Thursdays at 12 noon throughout the full Arts session. The subjects treated are Dynamics and selected branches of Physics. The Class is intended to meet the requirements of students of Pure Science and of those taking a higher course for the Degree of M.A. Students are strongly advised

to attend the Intermediate Honours Class in Mathematics, or at least the Higher Ordinary Class; before taking this course.

**VI. ELECTRICITY, PURE AND APPLIED.**—This class meets at 12 noon on Wednesdays and Fridays, if a sufficient number of students present themselves. It is very desirable that students attending this class should either be attending or have already attended a course of Practical Physics in the Physical Laboratory.

**VII. PHYSICAL LABORATORY.**—The Laboratory is open each week-day (Saturdays excepted) from 10 A.M. to 1 P.M. and 2 to 4 P.M.

*Ordinary Course.*—The course includes instruction in the use of instruments, and experiments in General Physics, Sound, Heat, Light, and Magnetism and Electricity. It is taught in three sections, meeting at (i) 10 A.M. to 12 noon, (ii) 11 A.M. to 1 P.M., and (iii) 2 to 4 P.M. Students must attend in one or other of these sections as may be arranged at the commencement of the session, attending daily for the 10 hours per week course, and on Mondays, Wednesdays, and Fridays for the 6 hours per week course.

*Students are not admitted to this course previously to their attendance on a qualifying Lecture Class in Natural Philosophy, unless they have obtained exemption from such Class or have received from the Professor special permission to take the course. The two-terms laboratory course of 6 hours per week may be taken simultaneously with the qualifying Lecture Class; but the one-term laboratory course of 10 hours per week may be taken only by students who have previously attended a qualifying Lecture Class for at least one term. Students are admitted to the laboratory course for the third or summer term (of 10 weeks) only by special permission of the Professor.*

*Advanced Course.*—This course includes a series of advanced experiments in the subjects of the Ordinary Course. It can only be taken simultaneously with or subsequent to attendance in one or other of the Higher Classes. The required weekly attendance must be made up in periods each of not less than two consecutive hours.

*Medical Courses.*—(See under *Physics* below.)

*Research Work.*—Research work is carried on daily under the superintendence of the Professor and his Assistants. Facilities are given for candidates for the B.Sc. in Pure Science to carry out research as part of their degree course.

*Research Student in 1915-16.*—James Scobie (Thomson Experimental Scholar).

Books recommended: (1) Ordinary Lecture Class.—Gray's *Elementary Dynamics*, with Watson's or Duff's *Text-Book of Physics*; Maclean's *Exercises in Natural Philosophy*; Book of Four Figure Logarithm Tables. (2) Higher Mathematical Class, A.—Gray's *Treatise on Dynamics* or Gray's *Treatise on Physics*, Vol. I.; *An Introduction to Mathematical Physics*, by R. A. Houstoun; and books recommended in connection with special subjects treated. (3) Higher Class, B.—Gray's *Treatise on Dynamics*. (4) Higher Class, C.—Gray's *Treatise on Dynamics*, and books recommended in connection with special subjects treated. (5) Electricity, Pure and Applied.—Gray's *Absolute Measurements in Electricity and Magnetism*, and Foster and Porter's *Electricity and Magnetism*. (6) Physical Laboratory: Ordinary Course.—Glazebrook and Shaw's *Practical Physics*, and Stewart and Gee's *Elementary Practical Physics*, Vol. II. Advanced Course—Watson's *Text-book of Practical Physics*.

## PHYSICS.

*Lecturer*—JAMES G. GRAY, D.Sc., F.R.S.E.

I. *Lectures.*—The lectures of this course are designed primarily for students proceeding to the First Professional Examination in Medicine. They are delivered daily at 11 A.M. during the Summer Session in the Natural Philosophy Department, and embrace the fundamental principles of the Dynamics of Solids, Liquids, and Gases, and the rudiments of Sound, Light, Heat, Magnetism, and Electricity. A detailed programme of the subjects of the course is given to each student at the beginning of the course. The text-books recommended are Gregory and Hadley's *Class Book of Physics* and Knott's *Physics*.

II. *Practical Work.*—A course of practical work in connection with this class is held during the summer session, and should be taken concurrently with the lectures. It is designed to furnish an opportunity of acquiring such a knowledge of physical instruments and experience in their manipulation as

may be useful in practical Physiology and in laboratory work in Public Health. The class meets for practical work in two sections, one of which meets on Tuesdays from 9 to 11 A.M., and on Thursdays from 2 to 4 P.M., and the other on Tuesdays from 2 to 4 P.M., and on Thursdays from 9 to 11 A.M.

*For the Arnott Prize in General Physics, see under Prizes.*

#### ELECTRICITY—PURE AND APPLIED.

*Lecturer*—GEORGE E. ALLAN, D.Sc.

(See p. 111.)

#### III. ASTRONOMY.

(See under Faculty of Science, page 118.)

#### IV. CHEMISTRY.

(See under Faculty of Medicine, page 136.)

#### V. ZOOLOGY.

(See under Faculty of Medicine, page 140.)

#### VI. BOTANY.

(See under Faculty of Medicine, page 138.)

#### VII. GEOLOGY.

(See under Faculty of Science, page 124.)

#### VIII. GEOGRAPHY.

This Lectureship was instituted by the University Court in 1909.

##### *Lecturers.*

1909. H. G. LYONS, F.R.S.

1911. J. D. FALCONER, M.A., D.Sc.

*Ordinary Class.*—This Class meets at 11 A.M. and qualifies for graduation in Arts. Students who propose to offer Geography either as subsidiary or as principal subject in the Final Science Examination are also required to attend this class.

There will be 125 meetings, and the course will include lectures and laboratory work daily. The lectures will be devoted to the regional study of the Continents, Countries, and Peoples of the World, and to the establishment of definite Principles of Geography. Practical instruction will be given

in elementary surveying; delineation of topographical features; map-drawing to scale; copying, reducing, enlarging, and measuring maps; interpretation of Ordnance Survey maps; construction and use of meteorological charts, distribution maps, etc.

Students joining the class are expected to possess a general knowledge of the Topography of the World and an acquaintance with the elements of Physical and Regional Geography and the Geography of Man such as is required for the Higher Grade Standard of the Leaving Certificate Examination.

*Advanced Class.*—This class meets from 9-11 A.M. and is the qualifying class for graduation in Science when Geography is taken as principal or subsidiary subject. Before entering the class, students will be required to produce a certificate of proficiency in the work done in the Ordinary Class.

There will be 100 meetings of the class, and the course will include both lectures and laboratory instruction.

The work of the class will be divided into two parts. Part I. will include a special course of Commercial Geography, an advanced course in Regional Geography, and exhaustive study of a special continent or region, with accompanying laboratory work.

In Part II. the work will be of a more specialised character, and will be divided up into various courses of study. The courses at present organised are (a) Trigonometrical Surveying and Cartography; (b) Hydrography and Climatology; (c) Topographical and Structural Geography; (d) Anthropo-Geography. Only students who have taken Mathematics in their first B.Sc., or who are otherwise able to satisfy the Lecturer of their knowledge of Mathematics, will be allowed to take course a, while a similar knowledge of Physics, Geology, and Biology will be required of those taking courses b, c, and d respectively. Special papers and monographs will be prescribed for reading in connection with each course.

## D. HISTORY AND LAW.

### I. HISTORY.

This Chair was founded by Ordinance No. 28 of the Universities Commission (1889) of date 5th June, 1893. The Professor is appointed by the University Court.



*Professors.*

1894. Richard Lodge, M.A. 1899. DUDLEY J. MEDLEY, M.A.

*Lecturer*—A. BROWNING, M.A.

ORDINARY CLASS.—The Class meets three times a week at 10 A.M. on such days as shall be determined from term to term by the Professor. Students attending the Class are warned *not to make any permanent engagement for the class-hour on any week-day except Saturday*. The course qualifies for graduation.

In session 1916-17 the Professor will lecture on the Outlines of European History, A.D. 1453-1878. The prescribed book is R. Lodge, *History of Modern Europe* (Murray).

HIGHER ORDINARY CLASS.—The Class meets on Monday, Wednesday, and Friday, at 10 A.M. The subject of the course will be, until further notice, the History of Great Britain, B.C. 55—A.D. 1485. The following will be taken as text-books: Fletcher, *Introductory History of England*; Hume Brown, *History of Scotland*, vol. I.

HONOURS CLASS.—This Class meets twice or three times a week, at 11 A.M., on such days as shall be determined from term to term by the Professor. During session 1916-17 the Professor proposes to lecture on special points in Medieval History.

In connection with this class Mr. Thomas H. Weir, B.D., Lecturer in Arabic, will give six lectures on the Early History of Mohammedanism.

NOTE.—The classes recognized as Honours Classes in the Group of History are the Honours Classes held by the Professor of History, by the Professor of Scottish History and Literature, by the Lecturer in Constitutional Law and History, by the Lecturer in British History, by the Lecturer in Roman History, and the Senior Class held by the Professor of Ecclesiastical History.

## BRITISH HISTORY.

*Lecturer*—J. B. ELACK, M.A., B.A.

This Class meets on Mondays, Wednesdays, and Fridays, at 9 A.M.; and is more particularly concerned with the periods of British History prescribed for Honours in English.

In 1916-17 subjects for lecture will be :

- (a) The Renaissance and Reformation in Europe.
- (b) The Eighteenth Century.
- (c) The French Revolution.

The lectures will be devoted mainly to social and intellectual history.

*N.B.*—The alteration of the period will not apply to those who have already taken “the Puritan Revolution.”

*For the classes recognized as Honours Classes in the Group of HISTORY, see the note above.*

## II. CONSTITUTIONAL LAW AND HISTORY.

*Lecturer.*

1894. WILLIAM S. McKECHNIE, M.A., LL.B., D.Phil.

1916. (Vacant.)

I. ORDINARY CLASS.—This class qualifies as a full course for graduation both for the ordinary M.A. and for Honours in History. (For subjects of study, text-books, etc., see under Faculty of Law, page 175.)

II. HIGHER ORDINARY CLASS.—Students taking this subject for a second year will attend the Honours Class.

III. HONOURS CLASS.—In session 1916-17 a course of over 50 lectures (qualifying *pro tanto* for graduation with Honours) will be given on the early Constitutional History of England till 1295. The class text-book will be Stubbs, *Select Charters*. The following works are suggested for the use of students before or during the session:—Stubbs, *Constitutional History*; Pollock and Maitland, *History of English Law*; McKechnie, *Magna Carta*. The class meets twice or three times a week at 3 P.M. on such days as the Lecturer may determine.

## III. ROMAN LAW.

(See under Faculty of Law, page 174.)

## IV. SCOTTISH HISTORY AND LITERATURE.

This Chair was founded by University Court Ordinance, No. XL. (Glasgow, No. 13), issued on 7th November, 1912, and approved by His Majesty in Council on 7th March, 1913. An endowment of about twenty thousand pounds sterling was provided, partly by a grant of £15,000 from the surplus receipts of The Scottish Exhibition of National History, Art, and Industry, 1911, of which Sir Andrew Pettigrew was Chair-

man, partly by contributions from the Merchants' House, Glasgow, and partly by funds collected by a Citizen Committee, of which Dr. William Wallace was Convener.

In 1909, through the liberality of an anonymous donor, the University Court was enabled to establish a Lectureship in Scottish History, and a Lectureship in Scottish Literature, each tenable for one year. Six courses of lectures, open to the public, were thus provided during the years 1909-1912. The Lectureships ceased to exist on the institution of the Professorship.

*Professor.*

1913. ROBERT S. RAIT, M.A.

SCOTTISH HISTORY AND LITERATURE.<sup>1</sup>

*Ordinary Class.*

The Professor will lecture on Mondays, Wednesdays, and Fridays at 12 noon. Students are warned not to make any permanent engagement at 12 noon for any day except Saturdays.

The lectures will deal with selected topics in Scottish History and Literature from the earliest times to the present day. No attempt will be made to treat Scottish Literature from the standpoint of Philology, but stress will be laid upon the connexion between History and Literature. The following books are recommended as an introduction to the subject:—Hume Brown, *History of Scotland*; Lang, *History of Scotland*; Tytler, *History of Scotland*; Rait, *Relations between England and Scotland*; Millar, *A Literary History of Scotland*; Watt, *Scottish Life and Poetry*. The chapters dealing with Scotland in the *Cambridge Modern History* and in the *Cambridge History of English Literature* will also be found useful.

*Higher Ordinary Class.*

The Senatus has meanwhile recognized the Honours Class as a Higher Ordinary Class.

*Honours Class.*

The Professor will lecture on Wednesdays and Fridays at 10 A.M. Students are warned not to make any permanent

<sup>1</sup> Scottish History and Literature, for graduation purposes, shall be preceded by or accompanied by a course in History.

engagement for 10 A.M. on Mondays. The subject of the Honours Lectures in session 1916-1917 will be The Development of the Kingdom of Scotland. Students will be required to study selected portions of the Acts of the Parliament of Scotland, the Exchequer Rolls, the Treasurer's Accounts, and the Register of the Privy Council. The following books are recommended: Cosmo Innes, *Scotland in the Middle Ages*; *Sketches of Early Scotch History*; *Lectures on Scotch Legal Antiquities*; Rait, *The Scottish Parliament before the Union of the Crowns*; Terry, *The Scottish Parliament, 1603-1707*; Wallace, *Thoughts on the Origin of Feudal Tenures and the Descent of Ancient Peerages in Scotland*; Neilson, *Trial by Combat*; Lord Kames, *Essays on British Antiquities*; M'Kechie, *Magna Carta*; Lawrie, *Early Scottish Charters*.

## II.—FACULTY OF SCIENCE.

The Faculty of Science was instituted by Ordinance No. 31 of the Universities Commission (1889) of date 5th June, 1893, and at the present time embraces the classes of Mathematics, Natural Philosophy, Astronomy, Chemistry, Zoology, Geology, Botany, Anatomy, Physiology, Civil Engineering and Mechanics, Naval Architecture, and Mining. In this Faculty there are also classes in Electricity—Pure and Applied, Electrical Engineering, Optics, Physical Chemistry, Organic Chemistry, Metallurgical Chemistry, Physiological Chemistry, Psychology, Embryology, and Public Health.

### I. MATHEMATICS.

(See under Faculty of Arts, page 106.)

### II. NATURAL PHILOSOPHY.

(See under Faculty of Arts, page 108.)

### III. ASTRONOMY.

The Professorship of Practical Astronomy was founded in the year 1760, conjointly with the office of Observer in the University of Glasgow, and is in the gift of the Crown. By Ordinance No. 31 of the Universities Commission (1889) of date 5th June, 1893, it is now called Astronomy, and the Pro-

fessor is a member of the Faculty of Science, the Chair having been transferred by the Universities Commission in 1893 from the Faculty of Arts to the newly instituted Faculty of Science.

*Professors.*

1760. Alex. Wilson, LL.D.	1803. James Cooper, D.D.
1784. Patrick Wilson, LL.D.	1836. John P. Nichol, LL.D.
1799. W. Meikleham, LL.D.	1859. R. Grant, LL.D., F.R.S.
1893. LUDWIG BECKER, Ph.D., F.R.A.S.	

An Observatory has always existed in connection with this Chair. The present Observatory is situated on an eminence in the vicinity of the University buildings.

Dr. Wilson, the second occupant of the Chair, bequeathed to the University the sum of one thousand pounds, upon the condition that the interest thereof should be applied to the purchase of instruments and books for the use of the Professor of Astronomy and the students attending his prelections.

The Trustees of the Bellahouston Bequest Fund made in 1894 a grant of eleven hundred pounds for the improvement of the Observatory.

The Professor of Astronomy delivers two Courses of Lectures on Astronomy at the University during the session, and gives expositions on instruments and methods of observation at the Observatory.

*Class A.*

Subject: Celestial Dynamics.

The students ought to be well prepared on the subjects of the Intermediate Honours Mathematical Class.

The class meets at 3 P.M. on Tuesdays and Thursdays in the first term, and on Tuesdays, Thursdays, and Fridays in the second term.

*Class B.*

Subjects: Spherical Astronomy — The celestial sphere, description and theory of instruments, determination of latitude and time, Precession, Nutation, Aberration, Figure of the Earth, Eclipses, Occultations.

The class meets at 3 P.M. on Mondays, Wednesdays, and Fridays in the first term, and on Mondays and Wednesdays in the second term. Practical Demonstrations at the Observatory on Saturdays, 10 A.M. to noon, in October and November.

Books :—*The Nautical Almanac*, 1913 ; Charles A. Young, *Manual of Astronomy* (Ginn & Co., Boston and London, 1902).

Attendance on the two classes, either in the same session or in different sessions, counts as a full course for the Degree of M.A.<sup>1</sup> Classes A. and B., which may be taken in one session, with practical work at the Observatory, are a full course for the Degree of B.Sc. in Pure Science. The student has to acquire skill in observing with several instruments, to secure observations of sufficient accuracy, and to derive the results by calculation.

The course of Observatory work will occupy about 50 hours apart from calculations, and the student is advised to take it in the third term. The practical course must be completed previous to admission to the Degree Examination ; but the student is permitted to sit the examination at the close of the theoretical lectures, on the condition that he finishes his practical work before the end of the same session.

If Astronomy be taken as the principal subject, additional work, theoretical and practical, will be required. If Astronomy be taken either for the Degree in Pure Science as subsidiary to any principal subject other than Mathematics or Natural Philosophy, or for the Degree in Science in Engineering, Class A. is not compulsory, but additional practical work has to be undertaken.

#### IV. CHEMISTRY.

(See under Faculty of Medicine, page 136.)

##### ORGANIC CHEMISTRY.

This Lectureship was instituted by the University Court.

##### *Lecturers.*

1898. William R. Lang, D.Sc.

1901. Matthew A. Parker, B.Sc.

1904. T. S. PATTERSON, D.Sc., Ph.D.

Three courses of Lectures on Organic Chemistry are given :

1. A course of 40 lectures, which counts as a half course, must be taken by all offering Chemistry as a principal subject, or Organic Chemistry as a subsidiary subject, for the Final Science Examination.

The class will meet during the second half of the Winter

<sup>1</sup> Astronomy shall be preceded by at least one course in Mathematics.

Session and part of the Summer Session at 11 A.M. Students taking Chemistry as principal subject are recommended to adhere as closely as possible to the programme suggested on p. 294. Those taking Organic Chemistry as a subsidiary subject should consult the lecturer as far in advance as possible in regard to the best times for taking the laboratory and lecture classes.

In the course, the chemistry of the aliphatic compounds is sketched, important subjects such as the carbohydrates, aceto-acetic ester and malonic ester syntheses, stereoisomerism, the ureides, etc., being treated in some detail. Thereafter the chemistry of the carbo-cyclic, and of a few of the more important hetero-cyclic compounds, is described. The lectures are illustrated by experiments, but since students attending the class are advised to take a laboratory course at the same time, when they may themselves carry out the more important operations described and prepare specimens of typical organic compounds, these experiments will only be such as are of a somewhat special character, and not suitable for general laboratory work.

2. A higher course of about 20 lectures during the winter session. This class, for which there is no fee, will be held at an hour to suit those who wish to attend. In it the subjects will be carried to an advanced stage, virtually by a continuation of certain of the lectures of Class I.

3. A special course of about 12 lectures will be delivered during the summer session on certain selected chapters in Organic Chemistry with particular reference to the results of recent investigation. This class will be open without fee to all who wish to attend, but some previous acquaintance with the subject is desirable.

#### METALLURGICAL CHEMISTRY.

This Lectureship was instituted by the University in 1899, and an endowment was provided in 1908 (see p. 202).

*Lecturer.*—CECIL H. DESCH, D.Sc., Ph.D.

Lectures are given thrice weekly throughout the Winter Session. For convenience the course is divided into two parts: Class A, October to December; and Class B, January to March. Students may enrol for a half-course on payment of half the fee for the full course. Metallurgical Chemistry is

one of the qualifying subjects for the Degree of B.Sc. in Engineering and for the Certificate of Proficiency in Engineering; and for the degree of B.Sc. in Applied Chemistry. This class is also the qualifying graduation course in Metallurgy for students taking the B.Sc. Degree or the Certificate of Proficiency in Mining Engineering. Under the new regulations for the Final B.Sc. Examination in Pure Science, Metallurgical Chemistry may be taken as a subsidiary subject; Metallurgical Chemistry also enters into the Final Examination when Chemistry is the student's principal subject.

**SUBJECTS, Class A.**—The Nature and Occurrence of Ores. Natural and Artificial Fuels. The Determination of Calorific Values. Refractory Materials. Types of Furnaces. The Extraction of Metals from their Ores by Smelting. Wet and Electro-metallurgical Processes. Methods used in Assaying.

**Class B.**—The Nature of Metallic Alloys. The Thermal and Microscopical Study of Alloys. The Physical and Mechanical Properties and their relation to the Chemical Constitution. The special characters of Iron, Steel, and the principal technical Alloys. The Study of Fatigue and Corrosion.

**Laboratory Course.**—Students should attend two and a half hours daily during the Winter Session.

Excursions are arranged throughout the session.

**Text-Books.**—Roberts-Austen, *Introduction to the Study of Metallurgy*; Stansbie, *Iron and Steel*; Desch, *Metallography*.

#### METALLOGRAPHY.

A practical class in metallography is held during the Winter and Summer Session as may be arranged. The work of the class includes the microscopical examination of iron, steel, and alloys, thermal analysis, and the study of flaws, fractures, and corrosion in engineering materials.

#### PHYSICAL CHEMISTRY (INCLUDING RADIO-ACTIVITY).

This Lectureship was instituted by the University Court in 1904.

#### *Lecturers.*

1904. FREDERICK SODDY, M.A., F.R.S.

1914. ALFRED W. STEWART, D.Sc.



## I. PHYSICAL CHEMISTRY.

Students offering Chemistry as principal subject are advised to take their Course as far as practicable along the lines suggested by the scheme given on p. 294. All students must have taken the Practical Course in Quantitative Analysis prior to taking the Practical Course in Physical Chemistry.

*Lectures.*—The Course comprises 40 lectures, and is held at 9 A.M. throughout the Winter Session on alternate days with the Inorganic Chemistry Lectures. The class-book is Senter's *Outlines of Physical Chemistry*, and the lectures cover similar ground. The earlier part of the course deals with General Theoretical Chemistry.

*Practical.*—The Physical Chemistry Laboratory is open daily during the second half of the Winter Session for the Practical Course. The class-book is Findlay's *Practical Physical Chemistry*.

## II. ADVANCED INORGANIC CHEMISTRY.

This course comprises 40 Lectures. A knowledge of a text-book of the standard of Mellor's *Inorganic Chemistry* will be assumed, and the whole of the Elements, rare as well as common, will be reviewed from the standpoint of their inter-relationships. Recent work will be selected for more detailed treatment. Stewart's *Recent Advances in Physical and Inorganic Chemistry* may be used to supplement the lectures. The course will be held in the Winter Session at 9 A.M. on days alternating with the Course in Physical Chemistry.

## III. RADIO-ACTIVITY AND ADVANCED PHYSICAL CHEMISTRY.

A course of 20 Lectures in these subjects will be held once every two years. It will next be held in 1916-17. The course is designed to cover as completely as possible the general features of radioactivity from the chemical side. Provision is made in the Physical Chemistry Laboratory for Practical work in Radioactive Measurements. Books recommended:—F. Soddy, *Chemistry of the Radio Elements*, Parts I. and II., Longmans Green & Co., 1911 and 1913; and for reference: E. Rutherford, *Radioactive Substances and their Radiations* (Camb. Univ. Press); Mme. Curie, *Traité de Radioactivité*, 2 vols. (Gauthier-Villars, Paris).

## V. GEOLOGY.

This Chair was founded by the University Court Ordinance No. VIII. (Glasgow, No. 3) issued on 12th February, 1903, and approved by His Majesty in Council on 11th August, 1903, an endowment of fifteen thousand pounds sterling having been provided by the Carnegie Trust, the Bellahouston Trust, and other Donors. The Professor is appointed by the University Court, and is a Professor in the Faculty of Science.

In 1876 the late Mrs. Honyman Gillespie of Torbanehill endowed a Lectureship in Geology, to be called the Honyman Gillespie Lectureship, in memory of her husband, W. Honyman Gillespie, Esq. The Lectureship was attached by the Deed of Foundation to the Chair of Natural History, but power was given to the Trustees to withdraw it from that chair and to attach the income to the Chair of Geology when founded. The Trustees have agreed to exercise that power and pay over the annual income of the Honyman Gillespie Lectureship to the University Court to augment the salary of the Professor of Geology.

*Professor.*

1904. JOHN WALTER GREGORY, D.Sc., F.R.S.

Geology is a subject of study for the Degrees of M.A., B.Sc. in Pure Science, B.Sc. in Engineering, B.Sc. in Mining, B.Sc. in Agriculture, and B.Sc. in Public Health. For the Degree in Arts there will be one hundred meetings of the class, including Laboratory and Field Work; for the B.Sc. in Public Health fifty-two meetings, including Laboratory and Field Work; for the B.Sc. in Agriculture eighty meetings, including Laboratory and Field Work; for the B.Sc. in Engineering eighty meetings, including Laboratory and Field Work. The course for the B.Sc. in Pure Science is divided into two parts: in Part I. the course consists of one hundred meetings, of which fifty are lectures; Part II. consists of one hundred meetings, of which fifty are lectures. Before admission to Part II. a student must produce a certificate showing that he has done the work required in Part I. The course in Geology for B.Sc. in Mining Engineering comprises a course of fifty lectures and fifty meetings for practical work in the second year, and a course of fifty meetings taken after Christmas in the third year.

*Cowie Prize.*—Mr. C. R. Cowie in 1909 presented £100 to the Geological Society of Glasgow at the end of his Vice-Presidency of the Society, to assist students of Geology in Glasgow, and especially at the University. The Council of the Society has allotted half the annual interest on this sum to the Geological Department of the University. It has been decided by arrangement between the Council of the Geological Society and the Professor of Geology that the share allotted to the University shall be devoted to a prize on the result of the class work, and shall be awarded in alternate years in Part I. and Part II. of the Geological course. The prize in the year 1916-1917 will be awarded to students of Part II.

#### VI. ZOOLOGY.

(See under Faculty of Medicine, page 140.)

#### VII. BOTANY.

(See under Faculty of Medicine, page 138.)

#### VIII. ANATOMY AND EMBRYOLOGY.

(See under Faculty of Medicine, page 142.)

#### IX. PHYSIOLOGY.

(See under Faculty of Medicine, page 144.)

#### X. GEOGRAPHY.

(See under Faculty of Arts, page 113.)

#### XI. CIVIL ENGINEERING AND MECHANICS.

The Professorship of Civil Engineering and Mechanics was instituted by Queen Victoria in 1840, and is in the gift of the Crown. The emoluments of the Chair were increased in 1872 by a supplemental endowment<sup>1</sup> by the late Mrs. Elder, widow of Mr. John Elder, engineer and shipbuilder, Glasgow; and, in 1876, the Young Assistantship was founded by bequest of Mrs. Black, widow of the Rev. Dr. Black, Barony Church, Glasgow. The University Court instituted a lectureship on Electrical Engineering in 1898, and one on Engineering Drawing and Design in 1901.

<sup>1</sup> The annual income of a sum of £5000.

*Professors.*

1840. Lewis D. B. Gordon, C.E.  
 1855. William J. Macquorn Rankine, C.E., LL.D.  
 1873. James Thomson, M.A., C.E., LL.D., D.Sc., F.R.S.  
 1889. Archibald Barr, D.Sc., M.Inst.C.E., M.I.Mech.E.  
 1913. JOHN DEWAR CORMACK, D.Sc., M.Inst.C.E.,  
 M.I.Mech.E., M.I.E.E.

*Lecturer on Electrical Engineering.*

John S. Nicholson, B.Sc., Whit. Sch., A.M.I.E.E.

*Lecturer on Engineering Drawing and Design.*

Harry Bamford, M.Sc., A.M.Inst.C.E.

*Lecturer on Heat Engines.*

Thomas B. Morley, D.Sc., A.M.I.Mech.E.

*Lecturer in Engineering.*

David Thomson, B.Sc.

*Assistants and Demonstrators.*

- Robert M. Brown, B.Sc. (Young Foundation).  
 A. L. Tackley, B.Sc.  
 D. R. Ferguson, B.Sc.

The courses in Engineering extend throughout the winter session. They comprise Lectures on Engineering Principles and Practice, Instruction in Geometrical Drawing and in Engineering Drawing and Design, Laboratory Practice, and visits to Engineering Works and Manufactories.

These courses are designed primarily to suit students who intend to devote themselves to Civil, Mechanical, Electrical, or Mining Engineering; but the work of the classes will be found of direct practical utility to architects and to men who are engaged in any occupations connected with manufactures.

The work of the classes is not intended in any way to supersede the usual requirements of pupilage or apprenticeship in Engineering, but to enable the Engineer to gain such a knowledge of the principles underlying his profession or trade as he cannot acquire by only working in the office, in the field, or in the workshop. The classes may be attended either before or after pupilage or apprenticeship, or concurrently therewith. In most cases the students spend the summer six months in works or offices and thus get their scientific and practical training on the "sandwich" system.

**CLASS I.—THE MATERIALS OF CONSTRUCTION AND THE ELEMENTS OF APPLIED MECHANICS.**—Daily at 9 A.M. Subjects: Preparation, Properties and Uses of the Chief Constructive Materials, especially of Cast Iron, Wrought Iron, Brass and other Alloys, Timber, Building Stones, Cements and Concrete; Graphics; Steam, Gas, and Oil Engines, and other Prime Movers; and the more Elementary Principles of Mechanics in their application to problems connected with Engineering Structures and Machines.

**CLASS II.—SURVEYING, LEVELLING, AND SETTING-OUT OF WORKS.**—Mondays, Wednesdays, and Fridays, at 10 A.M.—Subjects:—Surveying with the Chain and with Angular Instruments; Telemetry; Levelling; the Optical and Mechanical Principles, Tests, and Adjustments of Surveying and Levelling Instruments; Setting-out of Works, especially Setting-out of Railways; Mensuration of Areas of Land and of Volumes in Earth Works; the Execution of Civil Engineering Works. The Lectures will treat for the most part of those portions of the subject which are not readily learned in ordinary field and office practice.

**CLASS III.—PRIME MOVERS AND THE MECHANICS OF MACHINERY.**—Mondays, Wednesdays, and Fridays at 10 A.M. The Lectures treat of the Sources of Energy; Fuels; the Theory of Steam, Gas, and other Heat Engines; the structural details of Boilers and Engines; the Mechanics of Machinery; the Elements of Machine Design; the Transmission of Power; and Friction and Lubrication in Machines. Attendance on this class should be preceded by attendance on Class I. in the case of students entering with little knowledge of Applied Mechanics.

**CLASS IV.—HIGHER APPLIED MECHANICS AND HYDRAULICS.**—Daily, except Saturday, at 9 A.M. The Lectures treat of the Strength and Elasticity of Materials; the Strength and Stiffness of Beams, Girders, Columns, Framed Structures, Shafts, etc.; Hydraulics and Hydraulic Appliances, including the Gauging of Water, the Flow of Water in Pipes, and the Principles of Water Wheels, Turbines, and Centrifugal Pumps.

**ENGINEERING DRAWING AND DESIGN.**—The drawing classroom is open daily, except Saturday, from 9 A.M. till 5 P.M. Each student will be required to attend six hours per week (at times to be arranged at the beginning of the session), and will be expected to devote extra time to the per-

formance of work. The work of the classes will comprise Lectures and Practice in Civil and Mechanical Engineering Drawing; Lectures and Practice in Design of Structures; Descriptive Geometry, Graphical Statics, and the Kinematics of machinery; and the performance of graphical work and calculations in connection with the lecture courses.

**ENGINEERING LABORATORIES.**—The James Watt Engineering Laboratories, which have been erected and equipped at a total cost of about £40,000, are now complete. The equipment includes a steam boiler for 100 horse power, steam, gas, oil, petrol, and hot-air engines; a 50 horse power steam turbine; a refrigerating plant; 100-ton and 10-ton testing machines arranged for tests in tension, compression, bending, and torsion, and fitted with autographic stress and strain recorders; cement testing appliances; a variety of water turbines; apparatus for experiments on the flow of water through orifices and pipes, and other apparatus for investigations bearing upon Engineering Science and Practice. (See also under Electrical Engineering, p. 130.)

The Laboratories are open daily; each student is required to attend at least six hours per week (at times to be arranged at the beginning of the session).

For the purposes of Ordinance No. 23, Section IX. (see page 301), Class IV., together with Laboratory practice, counts as one whole course; any two of the other Lecture Classes (I., II., III., Electrical Engineering I., II.), together with Laboratory practice, count as the other whole course. Candidates taking the second option under Section IX., *i.e.* candidates for the Degree of B.Sc. on the side of Naval Architecture, are required to take Class IV. together with Laboratory practice.

### ELECTRICAL ENGINEERING.

A Lectureship in Electrical Engineering was instituted by the University Court in 1898.

#### *Lecturers.*

1898. John Dewar Cormack, B.Sc.

1901. James Blacklock Henderson, D.Sc.

1905. JOHN STEEL NICHOLSON, B.Sc., Whit. Sch.

Two classes are held during the Winter Session. For the purposes of Ordinance No. 23, Section IX., 5, 6 (see page 302), Class I., along with Laboratory practice, or Class II.,

with Laboratory practice, counts as a half course, while both classes, along with Laboratory practice, constitute a full course. Class I. and Class II. are also qualifying classes under Ordinance No. 23, Section IX., 9 (h).

The Electrical Laboratory is part of the James Watt Engineering Laboratories, and is open daily, except Saturdays, for experimental and research work.

*Class I.*—Mondays, Wednesdays, and Fridays at 8 A.M. This course is arranged to cover a wide field suitable for the needs of civil, mechanical, and mining engineers as well as for those who intend to specialise in electrical engineering. Subjects:—Practical units of current, quantity, E.M.F., resistance, power, and energy; Ammeters, voltmeters, wattmeters, and energymeters; Measurement of resistances. Cells and the calculation of E.M.Forces; Secondary cells and their chemical reactions; Electro-chemical processes. Carbon and metallic filament and arc lamps. Magnetic properties of iron and steel and their measurement; the magnetic circuit; Hysteresis and hysteresis losses. Electro-magnetic induction and the production of E.M.F.; Development of the dynamo; Winding of armatures and field magnets. Characteristic curves; armature reaction and conditions for sparkless commutation. Losses, efficiency and methods of testing dynamos and motors. Modern direct current machinery; motor starters, tramway, lift and crane controllers. Direct current distribution; Kelvin's law of economy. Alternating E.M.Forces and currents; relation between mean, maximum and effective values; measurement of alternating currents, E.M.Forces and power, power factors. Alternators.

Text-books: James Barr, *Direct Current Electrical Engineering*; MacLean, *Electricity and its Practical Applications*; Thomälen, *Electrical Engineering* (translated by G. W. O. Howe).

Book of reference: Hawkins and Wallis, *The Dynamo*.

*Class II.*—Tuesdays, Thursdays, and Saturdays, at 8 A.M. Subjects:—Armature reaction and commutation in continuous current machines. Distribution of power and distribution losses. Electromagnetic induction. Alternate current phenomena; single and polyphase currents; mathematical and graphical treatment of alternating current problems. Capacity

and inductance of transmission lines. Transformers and alternators; theory, regulation, losses and efficiency. Armature reaction in polyphase machines and rotary converters. Synchronising and parallel running of alternators. Induction motors, single and polyphase; methods of starting; singlephase commutator motors. Testing of alternators and motors; compounding of alternators.

Text-books: Hawkins and Wallis, *The Dynamo*; Kapp, *Transformers*.

Books of reference: Steinmetz, *Elements of Electrical Engineering*; Steinmetz, *Alternating Current Phenomena*; J. L. la Cour and O. S. Bragstad, *Theory and Calculation of Electric Currents*.

*Electrical Engineering Drawing and Design*.—General principles underlying the design and calculation of electrical machinery, with special reference to some particular type. See under "Engineering Drawing and Design."

*Laboratory Course*.—The equipment of the Electrical Laboratories includes a 30 K.W. three-phase generator, and a 7 K.W. two-phase generator, both motor driven, two 9 K.W. rotary converters, two tramway motors mounted for experimental work, a 5 K.W. continuous current motor generator or booster, a 5 K.W. balancer set, and motors of various kinds for continuous and alternating current. The electrical plant in other parts of the James Watt Laboratories also provides subjects for experiment. These include a 34 K.W. de Laval steam turbine and dynamos, a 30 K.W. high speed engine and dynamo, a 35 H.P. eddy current brake, an electrically driven lift, and motor-driven fan, air pump and centrifugal pumps. The instrument room is equipped with the most modern measuring instruments.

*As to the Degrees of B.Sc. and D.Sc. in Engineering Science, see Index.*

*As to the Certificate of Proficiency in Engineering Science, see Index.*

*As to the Muir Bursaries, the Metcalfe Bursaries, the John Oliphant Bursary, the Dr. Strang Bursaries, the George Young Bursary, the Walker Prizes, the George Harvey Prize, the James Watt Scholarship, and the Lindsay Burnet Medal in the Department of Civil Engineering and Mechanics, see Index.*



## XII. MINING.

## THEORY AND PRACTICE OF MINING.

On 26th March, 1902, the late James S. Dixon, LL.D., Fairleigh, Bothwell, recognising the want of a means of teaching the higher branches of the Theory and Practice of Mining, and the desire for acquiring such knowledge displayed by many young men connected with mining, made an offer of £10,000 to found a Chair or Lectureship of Mining in the University of Glasgow. The University Court accepted the offer, and a Lectureship was accordingly founded. In 1907 Dr. Dixon increased the foundation by the sum of £6,500, and the University Court, by University Court Ordinance, No. XIX. (Glasgow, No. 5), converted the Lectureship into a Chair. The Professor is appointed by a special body consisting of (1) the members of the Court, (2) the President of the Mining Institute of Scotland, (3) His Majesty's Inspector of Mines for the Western District of Scotland, (4) His Majesty's Inspector of Mines for the Eastern District of Scotland, and (5) the President of the Lanarkshire Coalmasters' Association.

*Lecturer*—1902. Charles Latham, M.Inst.M.E.

*Professor*—1907. CHARLES LATHAM, M.Inst.M.E.

The courses in mining extend throughout the winter session. Arrangements have been made for a limited number of students to obtain practical experience, during the summer months, at some of the largest and best equipped collieries in Scotland.

Under the Coal Mines Regulation Act (1887) Amendment Act (1903), both the Degree of B.Sc., and Certificate of Proficiency, in Mining Engineering are now recognised by the Home Office as equivalent to two of the five years practical training necessary to qualify as a mine manager.

## MINING ENGINEERING.

CLASS I.—Mondays and Wednesdays at 3 P.M. Subjects:—Prospecting, Boring, Sinking, Winding and Ventilation.

CLASS II.—Tuesdays and Thursdays at 3 P.M. Subjects:—Explosives, Haulage, Pumping, Lighting, Timbering, and Coal Cutting Machinery.

CLASS III.—Fridays at 3 P.M. Subjects:—Methods of working Coal and Metalliferous Mines, surface arrangements for dressing and cleaning coal and other minerals.

CLASS IV.—The designing and testing of Mining Plant. For this class the Mining Laboratory is open daily; each student will be required to attend at least one hour a week.

*As to the degree of B.Sc. in Mining Engineering, and the Certificate of Proficiency in Mining Engineering, see Index.*

### XIII. NAVAL ARCHITECTURE, INCLUDING MARINE ENGINEERING.

The John Elder Chair of Naval Architecture was founded by the University in 1883. An endowment of £12,500 was provided by the late Mrs. Elder, widow of Mr. John Elder, engineer and shipbuilder, Glasgow. The Professor is appointed by the University Court.

#### *Professors.*

1883. Francis Elgar, LL.D. | 1886. Philip Jenkins.

1891. Sir JOHN HARVARD BILES, LL.D., D.Sc.

The courses of the Professor comprise a Junior Course of Lectures and Examinations upon Naval Architecture and Marine Engine and Boiler Design, and a Senior Course of Lectures and Examinations upon Naval Architecture; also a Junior and a Senior Course of Instruction in Ship Drawing and Calculations. The Junior Course of Lectures and Examinations may be taken in either the first or the second year of the regular curriculum, and the classes will meet on Mondays, Wednesdays, and Fridays at 12 noon, or at any other hour which may be found convenient. The Lectures deal with Ship Calculations, Marine Engine and Boiler Design, Resistance, and Propulsion. The classes of the Senior Course will be held on Mondays, Tuesdays, and Thursdays from 11 A.M. to 12 noon, or at any other hour that may be found convenient. The Lectures deal with the strength, stability, and oscillations of ships.

The Junior Course of Instruction in Ship Drawing and Calculations and Marine Engine Drawing and Design may be taken by students in the first or second year of the regular curriculum; and the classes will be held on Tuesdays, Wednesdays, Thursdays, and Fridays from 2 P.M. to 5 P.M., or at

any hour that may be found convenient. The classes of the Senior Course will be held on Tuesdays, Wednesdays, Thursdays, and Fridays from 2 P.M. to 5 P.M., or at any other hour that may be found convenient.

Engineering students who intend to specialise in Marine Engineering are strongly recommended to take the Junior Course of Lectures in Naval Architecture and Marine Engineering as their special subject.

*As to the Degree of B.Sc. on the side of Naval Architecture and Marine Engineering, see Index.*

*As to the Lloyd's Register Scholarships, the Kirk Memorial Prize, and the Denny Prize, see Index.*

#### XIV. PUBLIC HEALTH.

(See under Faculty of Medicine, p. 152.)

### III.—FACULTY OF MEDICINE.

The Faculty of Medicine embraces the Classes of Chemistry, Physics, Botany, Zoology, Anatomy, Embryology, Physiology, Materia Medica, Pathology, Forensic Medicine, Surgery, Practice of Medicine, Midwifery, Insanity, Diseases of the Eye, Fevers, Diseases of the Ear, Diseases of the Throat and Nose, Diseases of the Skin, Diseases of Children, and Venereal Diseases.

#### NEW MEDICAL ORDINANCE.

##### (A) SUGGESTED SCHEME FOR STUDENTS COMMENCING IN SUMMER.

1ST YEAR. THIRD (SUMMER) TERM.—Botany, 8—9 a.m.; Practical Botany (three days a week) 9—11 a.m. or 1—3 p.m. Physics, 11 a.m.—12 noon; Practical Physics (two days a week), 9—11 a.m. or 2—4 p.m. *Examination*: Botany and Physics.

FIRST (WINTER) TERM.—Zoology, 9—10 a.m.; Practical Zoology, 11 a.m.—1 p.m. or 3—5 p.m. Chemistry, 10—11 a.m.; Practical Chemistry (three days a week), 11 a.m.—1.30 p.m. or 2.30—5 p.m.

SECOND (WINTER) TERM.—Chemistry, 10—11 a.m.; Practical Chemistry (two days a week), 1.30—4 p.m. Anatomy, 11 a.m.—12 noon; Practical Anatomy (three days a week), 1.30—4 p.m. *Examination*: Zoology and Chemistry.

2ND YEAR. THIRD (SUMMER) TERM.—Histology (two days a week), 9—11 a.m. Practical Anatomy, 9 a.m.—4.30 p.m.

FIRST (WINTER) TERM.—Physiology, 12.30—1.30 p.m.; Practical Physiology (two days a week), 9.30—11.30 a.m. Anatomy, 11.30 a.m.—12.30 p.m.; Practical Anatomy, 9 a.m.—4.45 p.m.

SECOND (WINTER) TERM.—Physiology, 12—1 p.m.; Physiological Chemistry (two days a week), 9.30—11.30 a.m. Practical Anatomy, 9 a.m.—4.45 p.m.

3RD YEAR. THIRD (SUMMER) TERM.—Pharmacy, 8—9 a.m. or 12 noon—1 p.m. Clinical Surgery, 9—11 a.m. Practical Anatomy, 9 a.m.—4.30 p.m. *Examination*: Anatomy and Physiology.

FIRST AND SECOND (WINTER) TERMS.—Clinical Surgery, 9—11 a.m. Materia Medica, 11 a.m.—12 noon. Surgery,<sup>1</sup> 12 noon—1 p.m. or 11 a.m.—12 noon.<sup>2</sup> Pathology and Practical Pathology, 2—3 p.m. Post-mortem Examinations, 10 a.m.

4TH YEAR. THIRD (SUMMER) TERM.—Clinical Medicine, 9—11 a.m. Pathology and Practical Pathology (four days a week), 1—3 p.m. Vaccination, Mon. and Thurs., 12 noon. Insanity, two days a week. *Examination*: Materia Medica and Pathology.

FIRST AND SECOND (WINTER) TERMS.—Clinical Medicine, 9—11 a.m. Medicine, 11 a.m.—12 noon or 12 noon—1 p.m.<sup>2</sup> Surgery,<sup>3</sup> 12 noon—1 p.m. or 11 a.m.—12 noon.<sup>2</sup> Midwifery, 2—3 p.m. Dispensary, 3 p.m.

5TH YEAR. THIRD (SUMMER) TERM.—Hospital Work. Medical Jurisprudence and Public Health, 11 a.m.—12 noon.<sup>4</sup> *Examination*: Medical Jurisprudence and Public Health.

FIRST AND SECOND (WINTER) TERMS.—Hospital Work, and Practical Courses on Special Subjects. *Examination*: Medicine, Surgery, and Midwifery.

In addition to the subjects mentioned, each candidate must attend courses of Operative Surgery, Practical Gynaecology,

<sup>1</sup> May be attended only by those who have passed the Second Professional Examination.

<sup>2</sup> At Royal Infirmary.

<sup>3</sup> If not already taken.

<sup>4</sup> Students are not permitted to join the class of Medical Jurisprudence and Public Health until their attendance on the classes in the subjects of the Third Professional Examination has been completed.

Diseases of Children, Ophthalmology, Diseases of the Ear, Diseases of the Throat and Nose, Dermatology, and Infectious Diseases, and must receive instruction in Practical Midwifery. These subjects should be taken during the last six terms of the curriculum.

(B) SUGGESTED SCHEME FOR STUDENTS COMMENCING  
IN WINTER.

1ST YEAR. FIRST (WINTER) TERM.—Zoology, 9—10 a.m.; Practical Zoology, 11 a.m.—1 p.m. or 3—5 p.m. Chemistry, 10—11 a.m.; Practical Chemistry (three days a week), 11 a.m.—1.30 p.m. or 2.30—5 p.m.

SECOND (WINTER) TERM.—Chemistry, 10—11 a.m.; Practical Chemistry (two days a week), 1.30—4 p.m. Anatomy, 11 a.m.—12 noon; Practical Anatomy (three days a week), 1.30—4 p.m. *Examination*: Chemistry and Zoology.

THIRD (SUMMER) TERM.—Botany, 8—9 a.m.; Practical Botany (three days a week), 9—11 a.m. or 1—3 p.m. Physics, 11 a.m.—12 noon; Practical Physics (two days a week), 9—11 a.m. or 2—4 p.m. Practical Anatomy, 9 a.m.—4.30 p.m. *Examination*: Botany and Physics.

2ND YEAR. FIRST (WINTER) TERM.—Physiology, 12.30—1.30 p.m.; Practical Physiology (two days a week), 9.30—11.30 a.m. Anatomy, 11.30 a.m.—12.30 p.m.; Practical Anatomy, 9 a.m.—4.45 p.m.

SECOND (WINTER) TERM.—Physiology, 12—1 p.m.; Physiological Chemistry (two days a week), 9.30—11.30 a.m. Practical Anatomy, 9 a.m.—4.45 p.m.

THIRD (SUMMER) TERM.—Pharmacy, 8—9 a.m. or 12 noon—1 p.m. Histology (two days a week), 9—11 a.m. Practical Anatomy, 9 a.m.—4.30 p.m. *Examination*: Anatomy and Physiology.

3RD YEAR. FIRST AND SECOND (WINTER) TERMS.—Clinical Surgery, 9—11 a.m. Materia Medica, 11 a.m.—12 noon. Surgery,<sup>1</sup> 12 noon—1 p.m. or 11 a.m.—12 noon.<sup>2</sup> Pathology and Practical Pathology, 2—3 p.m. Post-mortem Examinations, 10 a.m.

<sup>1</sup>May be attended only by those who have passed the Second Professional Examination.

<sup>2</sup>At Royal Infirmary.

**THIRD (SUMMER) TERM.**—Clinical Medicine, 9—11 a.m. Pathology and Practical Pathology (four days a week), 1—3 p.m. Vaccination, Mon. and Thurs., 12 noon. Insanity, two days a week. *Examination*: Materia Medica and Pathology.

**4TH YEAR. FIRST AND SECOND (WINTER) TERMS.**—Clinical Medicine, 9—11 a.m. Medicine, 11 a.m.—12 noon or 12 noon—1 p.m.<sup>1</sup> Surgery,<sup>2</sup> 12 noon—1 p.m. or 11 a.m.—12 noon.<sup>1</sup> Midwifery, 2—3 p.m. Dispensary, 3 p.m.

**THIRD (SUMMER) TERM.**—Clinical Surgery, 9—11 a.m. Medical Jurisprudence and Public Health, 11 a.m.—12 noon.<sup>3</sup> *Examination*: Medical Jurisprudence and Public Health.

**5TH YEAR. FIRST, SECOND AND THIRD TERMS.**—Hospital Work, and Practical Courses on Special Subjects. *Examination*: Medicine, Surgery, and Midwifery.

In addition to the subjects mentioned, each candidate must attend courses of Operative Surgery, Practical Gynaecology, Diseases of Children, Ophthalmology, Diseases of the Ear, Diseases of the Throat and Nose, Dermatology, and Infectious Diseases, and must receive instruction in Practical Midwifery. These subjects should be taken during the last six terms of the curriculum.

## I. CHEMISTRY.

This Professorship was founded by George III. in 1817, previous to which time (from 1747) there were Lecturers on Chemistry appointed by the University. The Professor is appointed by the Crown.

### *Lecturers.*

1747. William Cullen, M.D.	1769. William Irvine, M.D.
1756. Joseph Black, M.D.	1787. Thomas C. Hope, M.D.
1766. John Robison, LL.D.	1791. Robert Cleghorn, M.D.

### *Professors.*

1818. Thomas Thomson, M.D.	1852. Thomas Anderson, M.D.
1874. JOHN FERGUSON, M.A., LL.D., F.S.A.	
1915. (Vacant.)	

### *Assistants.*

James Roberts, F.C.S.	Andrew Henderson, M.A., B.Sc.
John M. Martin.	

<sup>1</sup> At Royal Infirmary.

<sup>2</sup> If not already taken.

<sup>3</sup> Students are not permitted to join the class of Medical Jurisprudence and Public Health until their attendance on the classes in the subjects of the Third Professional Examination has been completed.

**SYSTEMATIC CHEMISTRY.**—The Lectures are delivered daily at 10 A.M. during the winter session. They treat of the general principles of Chemical Philosophy and the preparation and properties of the Non-Metallic and the principal metallic elements and their compounds.

Attendance on this course qualifies for Degrees in Arts and Medicine and for the First Examination for Degrees in Science (Pure Science and Agriculture).

*Tutorial Classes.*—Students desiring to obtain a qualifying certificate for Degrees in connection with the systematic course are advised to give attendance if possible at one of the Tutorial Classes, each of which meets once a week. The teaching in these classes is supplementary to that given in the systematic lecture course, and is given partly by means of oral examination and written exercises in Chemical Arithmetic.

Written examinations of the whole class are held at intervals during the session. By the ordinances attendance at these examinations and attainment of the required standard are compulsory.

**B.SC. DEGREE IN ENGINEERING AND CERTIFICATE OF PROFICIENCY IN ENGINEERING.**

*In the Winter Session a qualifying course of Chemistry (65 meetings), to be attended by students of Engineering, Mining, or Naval Architecture, will be given by Dr. C. H. Desch. The class hour is 10 a.m. See also "Chemical Laboratories" below.*

**HIGHER COURSES.**—Courses in Metallurgical Chemistry and Metallography, and on Physical, Inorganic, and Organic Chemistry are given during the academical year.

In the Summer Session, the Professor will deliver a course of lectures on the History of Chemistry.

**CHEMICAL LABORATORIES.**—The Laboratories are open daily (except Saturday) from 10 A.M. to 4 P.M. Junior students go through a course of inorganic preparations and qualitative analysis suitable for those proceeding to degrees in Medicine and Arts and to the First Examination for Degrees in Science. Medical students are required to spend at least two and a half hours a day at practical work. Those intending to proceed to the degree in Arts or to the first examination for a degree in Science are required to attend for 3-3½ hours per day during a half session or to take a full session course.

For the guidance of senior students a statement is given at page 293 of the Practical Laboratory Work, after completion of the qualifying course for the First Science Examination, required of candidates proceeding to the Final Examination in Chemistry (Principal Subject or Subsidiary Subject).

POST-GRADUATION STUDY AND RESEARCH.—Arrangements are made for graduates and others engaging in original investigation in Organic, Physical, and Metallurgical Chemistry. Particulars regarding scholarships, fellowships and bursaries tenable in the chemical laboratories may be obtained from the *Calendar* under these headings. Those intending to take advantage of the arrangements during next session should make timely application to the Professor.

#### ORGANIC CHEMISTRY.

(See Faculty of Science, p. 120.)

#### METALLURGICAL CHEMISTRY.

(See Faculty of Science, p. 121.)

#### PHYSICAL CHEMISTRY.

(See Faculty of Science, p. 122.)

### II. PHYSICS.

(See under Natural Philosophy in Faculty of Arts, p. 112.)

### III. BOTANY.

The subject of Botany was from 1718 conjoined with Anatomy. The combination being found unsuitable, a separate Lectureship on Botany was instituted, and ultimately, in 1818, the Professorship was founded. The appointment is vested in the Crown. (See p. 234, as to Botanic Garden.)

#### *Professors.*

1818. Robert Graham, M.D.	1845. G. A. Walker-Arnott, LL.D.
1820. Sir W. J. Hooker, LL.D.	1868. Alexander Dickson, M.D.
1841. John H. Balfour, M.D.	1879. I. B. Balfour, M.D., D.Sc.
1885. FREDERICK O. BOWER, Sc.D., F.R.S., D.Sc. ( <i>ad eund.</i> ) Sydney.	

The elementary course in Botany for students in Medicine is held in the University during the summer session. This



is a qualifying course in Medicine only. Lectures are given every Tuesday, Wednesday, Thursday, Friday, and Saturday at 8 A.M. On certain Saturdays during the summer session microscopic demonstrations are given in the Laboratory.

Elementary practical classes for students in Medicine meet during the summer session from 9 A.M. to 11 A.M. or from 1 P.M. to 3 P.M., on Mondays, Wednesdays, and Fridays.

The course in Botany for the degree of M.A. and First B.Sc. consists of two qualifying half courses. The first, treating of the lower forms, is given in the first term (from October to December), and consists of twenty lectures and thirty meetings for practical work. The second half-course (which can only be taken by students who have already passed through the first half-course) treats of flowering plants, consists of thirty lectures and twenty meetings for practical work, and is held in the third term (from April to June). The Degree Examination Paper for M.A. and for First B.Sc. is the same.

Courses of advanced instruction designed for candidates for Final B.Sc. are arranged in both winter and summer sessions. A course of fifty lectures is given in the winter session on Mondays, Wednesdays, and Fridays, at 10 A.M.; in winter, 1916-17, they will deal specially with the Cryptogams.

In the summer session thirty advanced lectures are given on Physiology, and twenty advanced floral demonstrations. The demonstrations are open without fee to students who have already attended the course qualifying for first B.Sc. or M.A.

A practical course, dealing in the winter of 1916-17 with the Cryptogams, will be arranged in the Advanced Laboratory from October to March, meeting on Mondays, Wednesdays, and Fridays, from 9 A.M. onwards. The Laboratory will be open every day for work from 9 A.M. to 4 P.M.

A practical course will be arranged in the Advanced Laboratory in the summer session, dealing with Physiological Anatomy and Floral Morphology. It is in connection with this that thirty lectures will be given on Physiology at 8 A.M. on Mondays, Wednesdays, and Fridays, during the summer session, and twenty Floral Demonstrations, from 3 P.M. to 4 P.M., on Tuesdays and Thursdays.

The attention of students is directed to the almost complete set of Herbarium specimens of British plants shown in the

Museum. For further information reference may be made to the Professor.

*For the "Dobbie Smith" Gold Medal, see under "Prizes."*

*Herbarium Prize.*—A prize is offered to matriculated students who have passed through any qualifying Class of Botany in the University, for the best and approved Herbarium of Scottish Phanerogamous and Vascular Cryptogamous Plants, to be named after Hooker's *Students' Flora of the British Islands*. The specimens must have been collected upon the mainland of Scotland, or upon the Scottish Islands, between 1st April, 1916, and 1st October, 1917, and must have affixed, in addition to the name, the date and locality of collection.

The Herbaria must be sent, addressed to the Professor of Botany, to the University of Glasgow, on or before 1st October, 1917, and with each a sealed note bearing a motto outside, and containing the name of the competitor, with a declaration that the plants in the collection have all been gathered by himself (or herself) in Scotland, and within the period above stated, and that they have been named by him (or her) without assistance, save that derived from books or Herbaria.

The collections must be accompanied by a numbered and arranged list of the plants contained in them.

Students of the first year in Botany are informed that a similar prize will be offered in October, 1918, and are advised to begin collecting for that competition in April, 1917.

#### IV. ZOOLOGY.

This Professorship, under the name of Natural History, was founded by George III. in 1807. It originally comprehended both Zoology and Geology, but when the Chair of Geology was founded in 1903 by the University Court Ordinance No. VIII., it was provided that the Chair of Natural History should thenceforth be called the Chair of Zoology. The Professor is appointed by the Crown.

##### *Professors.*

1807. Lockhart Muirhead, LL.D.	1857. Henry D. Rogers, LL.D.
1829. Wm. Couper, M.D.	1866. John Young, M.D.
1902. J. GRAHAM KERR, M.A., F.R.S.	

*Lecturer in Zoology*—W. E. AGAR, D.Sc., M.A.

*Lecturer in Zoology with special reference to Protozoology*—  
J. S. DUNKERLY, B.Sc.

Lectures on Zoology, including Comparative Morphology, are given daily at 9 A.M. during Winter and 10 A.M. (or such other hour as may be found more convenient to students) during Summer.

WINTER TERM.—This course is of an introductory character. In it Protozoology is treated in considerable detail while the more important groups above the Protozoa are treated in outline, special attention being devoted to such as are of general zoological interest, and to such as are, from their parasitic habits or otherwise, of special importance to the Student of Medicine. Details of the anatomy of the higher Vertebrates are not dealt with.

In connection with this Course, a Laboratory Class in Elementary Practical Zoology will be held daily from 11 A.M. to 1 P.M., and, if necessary, repeated in the afternoon from 3 P.M. to 5 P.M. In this class Students will examine for themselves examples of the main groups treated of in the systematic lectures.

SPRING TERM.—The Lectures and Practical Work deal with such of the main groups of invertebrates as are not included in the preceding term's work.

SUMMER TERM.—The Lectures (at 10 A.M. or such other hour as may fit in better with the other courses attended by members of the class) deal with the Morphology of the Vertebrata—including Comparative Anatomy and Embryology. In the laboratory, students have the opportunity of dissecting examples of the main groups of vertebrates and of studying practically the embryology of the Bird. Instruction is given and practice provided in the ordinary methods of staining, section-cutting, etc.

Students desirous of attending this course but prevented from doing so by the hour clashing with that of other classes are requested to give notice so that if possible the lecture hour may be altered.

#### SPECIAL COURSES.

EVOLUTION.—During the Spring Term the Professor of Zoology gives a short course of elementary lectures on the Theory of Evolution. The lectures are given on Wednesdays at 4 P.M., and are open free to past or present members of the systematic class.

HEREDITY.—During the Spring Term (Thursdays and Fridays

at 9 A.M.) the Lecturer in Zoology gives a course of lectures upon Heredity, Variation, and the Cytology of Reproduction. These lectures form part of the systematic course for candidates for M.A. or First B.Sc. and are open to external students on payment of a fee of one guinea.

**PROTOZOOLOGY AND PARASITOLOGY.**—During the Summer Term the Lecturer in Protozoology gives a course of instruction in this subject suitable for students of Medicine and Science. The course consists of lectures (on Mondays, Wednesdays, and Fridays at 4 P.M.) and practical work, and is open free to members of the classes of Botany and Zoology. The fee for persons who are not members of the classes mentioned is two guineas.

**EXPERIMENTAL ZOOLOGY.**—A short course in Experimental Zoology, consisting of lectures (Thursdays at 4 P.M.) with accompanying laboratory work, will be given during the Summer Term.

During the Easter Vacation and on certain Saturdays during the Summer term it is hoped to give demonstrations in Practical Marine Zoology at the Bute Museum, Rothesay, where facilities have kindly been provided by the Marquis of Bute.

The Zoological collections in the Hunterian Museum, though as yet only partially adapted to teaching purposes, are open free to students.

**Text-books:** Shipley and MacBride, *Zoology*, or Sedgwick, *Textbook of Zoology*; Marshall and Hurst, *Practical Zoology*; Minchin, *Introduction to the Study of the Protozoa*; Heape, *Embryology*; Kellicott, *General Embryology*.

## V. ANATOMY.

This Professorship, with which Botany was at first associated, was founded in 1718 by the Crown and University jointly. After 1818 the province of the Chair was restricted to Anatomy.

### *Professors.*

- |   |                              |
|---|------------------------------|
| 1720. Thomas Brisbane, M.D.                                   | 1781. William Hamilton, M.D. |
| 1742. Robert Hamilton, M.D.                                   | 1790. James Jeffray, M.D.    |
| 1756. Joseph Black, M.D.                                      | 1848. Allen Thomson, M.D.,   |
| 1757. Thos. Hamilton, M.D.                                    | LL.D., F.R.S.                |
| 1877. John Cleland, M.D., LL.D. (St. A., Ed. and Gl.), D.Sc., |                              |
| F.R.S.  |                              |
| 1909. THOMAS H. BRYCE, M.A., M.D.                             |                              |

*Senior Demonstrator.*

Thomas Walmsley, M.B., Ch.B.

*Other Demonstrators.*

William Primrose, M.B., Ch.B.

Instruction in Anatomy extends over five terms. Two courses of Lectures, each of ten weeks' duration, are given, while Tutorial Classes and Demonstrations on Regional Anatomy and Surface Anatomy are organised in connection with the Practical Class.

**SYSTEMATIC LECTURES.**—The FIRST COURSE OF LECTURES is given in the second term of the Session, and is taken by the student in his first year of study. The Class meets five days weekly, from 11 A.M. to 12 noon, and the course consists of a general introduction to the study of Human Anatomy. The SECOND COURSE OF LECTURES is given in the first term of the Session, and is taken by the student in his second year of study. The Class meets five days weekly, from 11.30 A.M. till 12.30 P.M., and the Lectures treat of the Anatomy of the Viscera, Nervous System, and Organs of Sense.

**TUTORIAL INSTRUCTION.**—Tutorial Classes on Osteology are given in the summer term, and are designed for students who have taken the first course of Lectures in the previous term.

**DEMONSTRATIONS ON REGIONAL ANATOMY.**—Demonstrations on Topographical Anatomy are conducted in each term throughout the course, and are organised in connection with the Practical Class.

**EMBRYOLOGY.**—Lectures on Embryology are given by Dr. James F. Gemmill in the summer term, and may be taken by students in their fifth term of anatomical study (see below).

**PHYSICAL ANTHROPOLOGY.**—Lectures and demonstrations with practical work on Physical Anthropology are given in the summer term, and are designed specially for students preparing for the degree of B.Sc.

**PRACTICAL ANATOMY.**—The Dissecting Room is open from 9 A.M. till 4.45 P.M. daily, except on Saturdays, when it is closed at mid-day. Students of the Practical Class are required to do, as a minimum, 9 hours of dissection each week.

*Text-books.*—For the ordinary work of the Systematic Class the Manuals of either Gray or Cunningham. For advanced work, certain parts of Quain's *Elements of Anatomy*, 11th edition. For the work of the Practical Class, Cleland and Mackay's *Directory of Dissection* is a useful guide, along with Cunningham's *Manual of Practical Anatomy*.

#### EMBRYOLOGY.

A Lectureship on Embryology was instituted by the University Court in 1894, but the first Lecturer, Dr. John Yule Mackay, having resigned before the beginning of the second session, temporary arrangements were made for carrying on the work of the class in 1895 and 1896.

#### *Lecturers.*

1894. John Yule Mackay, M.D.

1897. JAMES F. GEMMILL, M.A., M.D., D.Sc.

The *Systematic Class* meets in the Anatomy Class-room at 11 A.M. on Mondays, Tuesdays, Thursdays, and Fridays of the summer session. The course deals in general with Vertebrate, and in particular with Mammalian and Human Development. The wider aspects of Embryology also receive brief treatment in the earlier lectures.

A *Practical Class* in Embryology is held in the First Winter Term and in the Summer Term. The course includes:—

I. Instruction in methods.

II. Work on Mammalian Development, with special reference to Organogeny in the human subject, and to the membranes and placenta.

III. Such special work in Human and Comparative Embryology as may be found most suitable in view of the particular aims or needs of individual students.

Competent workers will be given facilities for carrying out any special study or research, alike during the Winter and Summer Sessions.

The Laboratory will be open from 9 A.M. till 4 P.M. except on Saturdays, when the hour of closing is 12 noon.

#### VI. PHYSIOLOGY.

This Professorship was founded by Her Majesty, Queen Victoria, in the year 1839, under the name of Theory of Physic.

It was subsequently known as Institutes of Medicine, and is now, in accordance with Ordinance No. 31 of date 5th June, 1893, designated Physiology.

*Professors.*

1839. Andrew Buchanan, M.D.

1876. John Gray M'Kendrick, M.D., LL.D., F.R.S.,  
F.R.S.E., F.R.C.P.E.

1906. DIARMID NOËL PATON, M.D., B.Sc., F.R.C.P.Ed.,  
F.R.S.

I. SYSTEMATIC LECTURES.

The Lectures and Demonstrations of this course are given at 12.30 P.M. during the first term, and at 12 during the second term, of the winter session. They are devoted to an exposition of the main principles and facts of the Physiology of Man.

Examinations are held during the session.

II. PRACTICAL PHYSIOLOGY.

This class consists of three parts :

- (a) Practical Histology.
- (b) Practical General Physiology.
- (c) Practical Chemical Physiology.

(a) Practical Histology is taught during the *summer session*. Sections of the class meet from 9 A.M. to 11 A.M. daily.

This course includes instruction in the use of the microscope, in the microscopical examination of the various tissues and organs, and in the methods of hardening, staining, cutting, and mounting preparations.

(b) Practical General Physiology is taken between October and Christmas, each section meeting twice a week from 9.30 to 11.30 A.M. The ordinary experimental methods of physiology are studied practically.

(c) Practical Chemical Physiology is taken after Christmas, each section meeting twice a week from 9.30 to 11.30 A.M. The methods of chemical examination of the fluid and solid constituents of the body are dealt with.

*Practical Histology should, in the case of students beginning their studies in summer, be taken in the summer before the Lectures, and by all students Practical General Physiology and Chemical Physiology should be taken along with the Lectures.*

## III. ADVANCED CLASS OF PRACTICAL PHYSIOLOGY.

This Class is intended to meet the requirements of candidates for the Degree of B.Sc. It meets during the winter and summer sessions at suitable hours. The course extends to about 100 hours in winter, and about 60 hours in summer. It embraces (a) the more advanced methods of Physiological Chemistry, (b) special methods in advanced Histology, and (c) the more advanced methods of experimental investigation. It is wholly practical, and is designed to supplement the instruction given in the ordinary class of Practical Physiology, *which must have been previously attended*. Candidates for the Degree of B.Sc. in Pure Science who have specialised in one or more of the branches of the subject enumerated on p. 295 engage in practical work in the Laboratory upon their selected branch for at least one term.

iv. Short Courses of Advanced Lectures will be given from time to time on special parts of Physiology.

## V. THE LABORATORIES.

The Laboratories are open daily, under the superintendence of the Professor, Lecturers and Assistants. Application should be made to the Professor by those who may wish to pursue original investigation.

*Text-books*: Noël Paton, *Essentials of Human Physiology*; Howell, *Text-book of Physiology*; Noël Paton and Cathcart, *Practical Course of Chemical Physiology*; Noël Paton and G. H. Clark, *A Practical Course of General Physiology for Medical Students*; Noël Paton and G. H. Clark, *Guide to the Practical Study of Histology*; and, for the advanced classes, such books as may be recommended from time to time.

## VI. GRIEVE LECTURESHIP ON PHYSIOLOGICAL CHEMISTRY.

*Lecturer*.—1905. Edward P. Cathcart, M.D., D.Sc.

— 1915. (Vacant).

The course of lectures delivered under this foundation is on the higher aspects of chemical physiology with special reference to the chemistry of the various metabolic processes. Each year some special subject is chosen for more thorough treatment.

This course may be regarded as an extension of the physiological chemistry taught in the advanced practical class. The



lectures will be illustrated, as far as possible, by means of experiments.

The laboratory for physiological chemistry will be available during both the winter and the summer session for special research.

*As to the Muirhead Demonstratorship of Physiology, see p. 194. As to the Grieve Lectureship in Physiological Chemistry, see p. 195.*

#### VII. LECTURESHIP ON PSYCHOLOGY.

*Lecturer.*—1908. Henry J. Watt, M.A., Ph.D., D.Phil.

Students who desire to include Psychology in the work for the B.Sc. examination in Physiology will attend the class on Experimental Psychology (*v.* p. 100).

The psychological laboratory is available for special research.

#### VII. MATERIA MEDICA.

A Lectureship on this subject was founded by the College in 1766, and a Professorship created by the Crown in 1831.

##### *Lecturers.*

1766. William Irvine, M.D.		1788. Robert Cleghorn, M.D.
1787. Thomas C. Hope, M.D.		1791. Richard Millar, M.D.

##### *Professors.*

1831. Richard Millar, M.D.		1865. John B. Cowan, M.D.
1833. John Couper, M.D.		1880. Matthew Charteris, M.D.
1855. John A. Easton, M.D.		1897. RALPH STOCKMAN, M.D.

In the courses of instruction and in the scheme of professional examinations prescribed by the Ordinances, the subjects included in the province of this chair comprise the two branches of Materia Medica and Therapeutics. In the summer course of Practical Pharmacy, which it is advisable to take before the winter course, attendance at twenty-five meetings of the class is required. Instruction is given in compounding official preparations, in writing prescriptions, and in dispensing, supplemented by demonstrations of the more important substances in the British Pharmacopœia. The winter course is devoted to Pharmacology

and Therapeutics, the official drugs of the British Pharmacopœia being systematically considered in relation to their actions, and applications in disease. In addition, lectures are given on the therapeutical aspects of Dietetics, Mineral Waters and Baths, Climate, Electricity, Massage, etc.

*Text-books.*—The manuals of *Pharmacology*, by Dr. W. E. Dixon, and of *Materia Medica and Therapeutics*, by Dr. Hale White, Dr. Mitchell Bruce, and Sir William Whitla; *Text-Book of Materia Medica*, by Dr. C. R. Marshall; *Practice of Medicine*, by Dr. Charteris. More advanced books are: *Therapeutics*, by Dr. H. C. Wood; *Text-book of Pharmacology and Therapeutics*, edited by Dr. Hale White; and *Text-book of Pharmacology*, by Dr. A. R. Cushny.

#### VIII. PATHOLOGY.

This Chair was founded by Ordinance No. 29 of the Universities Commission (1889) of date 5th June, 1893. The patronage is vested in seven Curators, of whom four are nominated by the University Court and three by the Directors of the Western Infirmary. By agreement with the Western Infirmary, full accommodation and facilities for teaching are provided for the University in the Pathological Institute at the Western Infirmary. By mutual arrangement the Professor is the Pathologist to the Infirmary, and the whole material of that institution is available for teaching purposes.

Before the founding of the Chair, Pathology had been taught by Dr. Joseph Coats, who was appointed Lecturer in 1890, and who also held the office of Pathologist to the Western Infirmary.

##### *Professors.*

1894. Joseph Coats, M.D.

1899. ROBERT MUIR, M.A., M.D., Sc.D., F.R.S.

*First Assistant and Lecturer in Pathological Histology—*

G. Haswell Wilson, M.B., Ch.B.

*Second Assistant—*J. W. M'Nee, M.D., Ch.B.

*Lecturer in Bacteriology—*W. B. M. Martin, M.D.

The course in Pathology and Practical Pathology extends over a winter and summer session. Students are requested to

observe that the course starts in winter, and are recommended not to commence their pathological studies in summer.<sup>1</sup>

In the winter session the class meets for an hour daily. There will be (a) lectures with demonstrations on general pathology, including the disturbances of the circulation, the general pathology of infection, fevers, etc., (b) Meetings for practical work in special histology and bacteriology. Of these there will be about twenty. Tutorial classes are also held during the session.

In the summer session the class meets for two hours on four days each week. About fifteen lectures of an hour each are given on those subjects of General Pathology which can be conveniently illustrated by histological work, *e.g.*, the degenerations, inflammation, the processes of repair, tumours, etc., and the students thereafter prepare and examine sections of tissue illustrating the subjects of the lectures. The Special Pathology of one or two systems is treated in a corresponding manner. Demonstrations of Pathological Anatomy are also given. The methods of Bacteriology are taught in small classes of about twenty students.

The Museum of the Western Infirmary is open to all Infirmary students, and a printed catalogue is provided. The post-mortem examinations, which are conducted from 10 A.M. onwards, are also open to the students. Each student during his curriculum must attend at least twenty post-mortems, and must produce evidence that he has received instruction in the methods of post-mortem examination.

*Post-graduation or Laboratory Courses in Practical Pathology and Bacteriology* begin annually in October. These courses are open also to senior students. Particulars may be obtained from the Professor.

*Text-books.*—*A Manual of Pathology* by Dr. Joseph Coats, *A Manual of Pathology* by Beattie and Dickson, or a *Text-book of Pathology* by Adami and M'Crae; *Practical Pathology* by Dr. G. Sims Woodhead; and a *Manual of Bacteriology* by Drs. Muir and Ritchie.

The following works are also recommended: Cohnheim, *Lectures on General Pathology*; Thoma, *Handbook of General Pathology*; Adami, *Principles of Pathology*; and Metchnikoff, *Comparative Pathology of Inflammation*.

<sup>1</sup>That is, students under the new regulations. Those under the Old Ordinance may commence in summer.

## IX. LECTURESHIP ON CLINICAL PATHOLOGY.

*Lecturers.*

1911. Carl H. Browning, M.D.

1914. J. SHAW DUNN, M.A., M.D.

Practical Courses in Clinical Pathology are conducted in the Laboratory of Clinical Pathology of the Western Infirmary by the Lecturer, who is also Director of the Laboratory. The classes are open to graduates and to senior students of Medicine. The subjects taken up include Blood-examination; Cytodiagnosis; Clinical Bacteriology (blood-cultures, diphtheria-diagnosis, detection of spirochaetes, vaccines, etc.); Serodiagnosis (Widal-reaction, Wassermann reaction, opsonic estimations); Examination of Stomach-contents and Faeces; qualitative and quantitative estimation of urinary constituents in pathological conditions, etc.

A course is given in the first term of the Winter Session, and will be repeated in subsequent terms according to the number of applicants.

## X. PATHOLOGY—(ST. MUNGO (NOTMAN) CHAIR).

This Chair was founded by University Court Ordinance No. XXXIV., Glasgow No. 10, approved by His Majesty in Council on 5th July, 1911. The Ordinance was made by the University Court in pursuance of certain provisions of the St. Mungo's College Order 1910, which was confirmed, under the Private Legislation Procedure (Scotland) Act 1899, by an Act of Parliament dated 26th July, 1910. The patronage is vested in eleven Curators, of whom seven are nominated by the University Court, two by the Managers of the Royal Infirmary, and two by the Governors of St. Mungo's College. By an agreement between the University Court and the Managers of the Royal Infirmary, the Professor is provided at that Infirmary with accommodation and facilities for teaching. The Professor is *ex officio* Pathologist to the Royal Infirmary, and the whole material of the institution, and the class-rooms and laboratories of the new Pathological Institute, which was opened in September 1911, are available for teaching purposes. The first appointment to the Chair was made in 1911.

*Professor.*

1911. JOHN H. TEACHER, M.A., M.D.

*University Assistant*—(vacant).

The course in Pathology and Practical Pathology is, so far as possible, identical with that given in the Pathological Institute at the Western Infirmary.

The Museum of the Royal Infirmary and the post-mortem examinations (from 9.30 to 11.30 a.m.) are open to all Infirmary students. The post-mortem examinations are very numerous, and the opportunities for the study of morbid anatomy correspondingly good.

*A Laboratory Course in Bacteriology for Graduates and Senior Students* will be given annually, beginning in January. The Class will meet four days weekly, and the Laboratory will also be open daily. Particulars may be obtained from the Professor.

Text-books: *A Manual of Pathology*, by Dr. Joseph Coats; *A Manual of Pathology*, by Beattie and Dickson, or a *Text-book of Pathology*, by Adami and M'Crae; *Practical Pathology*, by Dr. G. Sims Woodhead; *Post Mortems and Morbid Anatomy*, by T. Shennan; and a *Manual of Bacteriology*, by Drs. Muir and Ritchie. The following works are also recommended: Cohnheim, *Lectures on General Pathology*; Thoma, *Handbook of General Pathology*; Adami, *Principles of Pathology*; Metchnikoff, *Comparative Pathology of Inflammation*, and Pembrey and Ritchie, *General Pathology*.

## XI. FORENSIC MEDICINE.

This Professorship was created by the Crown in 1839.

### *Professors.*

1839. Robert Cowan, M.D. | 1841. Harry Rainy, M.D.  
1872. Pierce Adolphus Simpson, M.A. (Cantab.), M.D.  
1898. JOHN GLAISTER, M.D., D.P.H. (Camb.), F.C.S., F.R.S.E.

This class meets daily at 11 A.M. during the summer session, and on three or four days a week in the afternoon for Public Health.

The Lectures on Medical Jurisprudence will, as far as possible, elucidate the application of every branch of Medical Science to the purposes of the law.

In the department of Public Health special attention will be given to the subjects of Air, Ventilation and Heating, Water, Injurious Trades, Law respecting Infectious Diseases, Disinfection, Disposal of Sewage and Refuse, and Sanitation in general.

During the session students will have an opportunity of visiting, along with the Professor or his assistants, the most important

public institutions and works in the district dealing with Disposal of Sewage and Refuse, Disinfection, Ventilation, etc.

Demonstrations, macroscopic and microscopic, will be given frequently during the session, illustrating, as far as possible, the whole range of Medical Jurisprudence and Public Health.

Written and oral examinations (attendance at which is compulsory) will be held at intervals.

In addition, facilities will be given for studying Practical Toxicology in the Medico-Legal Laboratory at the University.

*Text-books* (for Class of Medical Jurisprudence and Public Health).—Guy and Ferrier, *Principles of Forensic Medicine*; Dixon Mann, *Manual of Medical Jurisprudence*; Hofmann, *Atlas of Legal Medicine* (English edition, 1898); Glaister, *Text-books of Forensic Medicine and Toxicology, and of Public Health* (3rd edition, 1915); Glaister, *Manual of Public Health for Students, etc.* (2nd edition, 1905).

#### PUBLIC HEALTH FOR DEGREES IN SCIENCE.

This class will meet four days weekly during the winter session at 12 noon. The lectures will deal with the Sanitation of Dwellings, Medicine in its relation to Public Health, Vital Statistics and Statistical methods, Sanitary Law, etc. (see Ordinance for Degrees in Public Health, p. 328). The subjects under consideration will, as far as possible, be illustrated by demonstrations, visits to public institutions and public health works in Glasgow and neighbourhood, and by other means. The number of meetings of the class is seventy-five. The class is open, after matriculation and payment of the class fee, to Candidates for the Diplomas in Public Health of the Universities of Cambridge, Oxford, and Durham, and of the English, Scottish, and Irish Colleges. According to the Regulations of the General Medical Council, attendance thereat will be accepted in lieu of the second three months' attendance at the office of a recognised Medical Officer of Health for Practical Sanitation.

*Text-books*—Balfour and Lewis, *Manual of Hygiene and Public Health*; Parkes and Kenwood, *Manual of Hygiene and Public Health*; Glaister, *Text-book of Public Health*, vol. ii. (2nd edit., 1910); Robertson and M'Kendrick, *Sanitary Law and Practice*; Hime, *Sanitary Law*; Local Government Board for Scotland, *Instructions, Forms, etc., to Local Authorities*.

**LABORATORY INSTRUCTION IN PUBLIC HEALTH.**—The Public Health Laboratory is under the personal supervision of Professor Glaister and his assistants, and is open from 10 A.M. to 4 P.M. daily, for practical instruction in the methods of analysis of air, water, soils, foods, and the detection of adulterations; and for instruction in practical meteorology, sanitary appliances, physics, and practical bacteriology, in relation to public health.

*Air.*—Estimation of carbonic acid, by Pettenkofer's and other methods; detection and examination of gaseous impurities; estimation of organic impurity by ammonia and Carnelly's process; microscopic examination of matters in suspension; estimation of humidity, dew-point, and tension of vapour.

*Water.*—Qualitative and quantitative analysis; microscopical examination of sediments; physical and biological examination; comparison and estimation of value of filtering media and filters; mineral and medicinal waters.

*Sewage.*—Effects of purification processes; analysis of raw sewage and sewage effluents.

*Soils.*—Chemical and physical examination.

*Foods.*—Analysis and detection of adulterants; microscopic examination of food-stuffs; physical, microscopical, and chemical examination of milk; analysis of milk, cream, butter, cheese, and oils used as foods; microscopical examination and chemical analysis of starchy foods, sugars, tea, coffee, cocoa, pepper, etc.; examination of preserved foods and detection of their adulterations.

*Disinfectants.*—Their valuation and comparison; examination of pigments in articles of attire, wall-papers, and those used in trade.

*Bacteriology.*—Methods of investigation, cultivation, and transmission; preparation of culture media; bacteriological examination of air, water, foods, blood, earth, etc.; micro-photographic processes.

*Microscopy.*—Examination of food substances; parasites—animal and vegetable; crystalline deposits; micro-organisms.

*Meteorological Instruments.*—Barometer, thermometers, different kinds; rain gauges; anemometers and manometers; hygrometers, and the different forms of these instruments.

The Laboratory is furnished with all the necessary chemical apparatus, etc., required for analysis, and each worker is

furnished with a set of apparatus for personally doing the work, and for which he is held personally responsible.

In the Departmental Museum there is a complete collection of model sanitary appliances, including traps; soil stacks; soil pipes; ventilators; meteorological instruments; and an abundant collection of drawings, diagrams, and illustrative tables; and in the Departmental Library, a selection of books of reference relating to Public Health.

The Laboratory also possesses a large collection of microscopic specimens illustrative of parasites—animal and vegetable—food characteristics, of bacteriology and of tropical diseases.

Visits will be made, as arranged, during the Session, to view and inspect modes of disposal of refuse, sewage disposal, unhealthy trades, etc.

The Laboratory instruction is recognised for the Diplomas in Public Health of the Triple Scotch Colleges, of the English Colleges, and of the Universities of Cambridge, Oxford, and Durham, under the new regulations.

*Text-books* (for Public Health Laboratory).—Sommerville, *Public Health Laboratory Work*; Kenwood, *Public Health Laboratory Work*; Pakes, *Public Health Laboratory Work*; Hewlett, *Manual of Bacteriology*, 1898; Muir and Ritchie, *Manual of Bacteriology*, 1910; Slater and Spitta, *Atlas of Bacteriology*, 1898.

N.B.—(See under *Faculty of Law*, p. 174.)

## XII. SURGERY.

This Professorship was founded in 1815, and is in the gift of the Crown.

### *Professors.*

1815. John Burns, M.D.	1860. Joseph Lister, M.B., F.R.S.
1850. James A. Lawrie, M.D.	1869. Sir George H. B. Macleod, M.D., LL.D., F.R.S.E.
1892. SIR WILLIAM MACEWEN, F.R.S.	

*First Assistant*—John A. C. Macewen, B.Sc., M.B., C.M.

*Second Assistant*—J. G. McGregor Robertson, M.B., Ch.B.

The Professor delivers during winter a course consisting of systematic lectures, illustrated by diagrams, casts, and pathological preparations, and of frequent demonstrations. There are



three written examinations. The following is a general outline of the course :—Anaesthesia, on which a Special Examination is held early in the session ; wounds and their varieties ; haemorrhage and its arrest ; the phenomena of destruction and repair of tissues ; inflammation ; surgical bacteriology ; infective processes and diseases dependent upon bacteria and their products ; neoplasms ; injuries, including fractures and dislocations ; Regional Surgery.

During summer Operative Surgery is conducted daily, and consists of descriptive instruction by the Professor in the principal operations, and the performance of recognised operations by the students under supervision.

In the course of Clinical Surgery which the Professor conducts both winter and summer at the Western Infirmary, as part of the regular Clinical Instruction given to University students, practical instruction is given in the methods of clinical observation, surgical diagnosis and treatment. The Professor also takes occasion, as far as the material is available, to draw the attention of the students to the points illustrative of the principles taught in the systematic course.

Students who hold the certificate for theoretical instruction in Anaesthetics are allowed, under supervision, to administer anaesthetics, and, on satisfactorily completing the course, are granted the full Anaesthetic Certificate.

### XIII. SURGERY—(ST. MUNGO CHAIR).

In May 1874 a Chair of Clinical Surgery was founded in the University, and the right of presentation to the Chair was vested in the University Court. Professor GEORGE BUCHANAN occupied the Chair from 1874 till 1900, and Professor Sir HECTOR C. CAMERON from 1900 till 1910.

By the provisions of University Court Ordinance No. XXXIV., Glasgow No. 10, the title of the Chair was altered to St. Mungo Chair of Surgery, the duties of the Professor were modified, and the patronage was vested in eleven Curators, of whom seven are nominated by the University Court, two by the Managers of the Royal Infirmary, and two by the Governors of St. Mungo's College. This Ordinance was made by the University Court in pursuance of the provisions of the Glasgow University (Chair of Clinical Medicine and Chair of Clinical Surgery) Order 1910, and the St. Mungo's College

Order 1910, which were confirmed, under the Private Legislation Procedure (Scotland) Act 1899, by an Act of Parliament dated 26th July, 1910. In virtue of these arrangements the Governors of St. Mungo's College provided certain funds for the purpose of augmenting the emoluments of the Chair, to which the first appointment was made in 1911. By an agreement between the University Court and the Managers of the Royal Infirmary, the Professor is provided at that Infirmary with accommodation and facilities for teaching.

*Professor.*

1911. ROBERT KENNEDY, M.A., D.Sc., M.D.

*University Assistant*—W. Campbell Mackie, M.B., Ch.B.

Three courses of instruction are given at the Royal Infirmary.

I. SYSTEMATIC SURGERY. The following is a classification of the work in this class, which meets at 11 a.m. daily during the winter session: 1. Surgical Pathology. 2. Surgical Parasitology and diseases caused by parasites. 3. Wounds. 4. Injuries and diseases of special tissues. 5. Tumours. 6. Regional Surgery. 7. Anaesthesia.

The course includes tutorial work by the University Assistant.

II. OPERATIVE SURGERY. In this class, which meets at 11 a.m. during the summer session, each student performs on the dead body all the more important operations. His practical work extends over not less than one month and consists of not less than 30 hours' instruction.

III. CLINICAL SURGERY. This course is conducted in the Wards set apart for the University Surgical teaching in the Royal Infirmary (Wards 25, 26, and 27). The class meets daily at 9 a.m. In addition to witnessing all the operations of the department, each student is required to take an actual part in the Ward work and is given opportunities of obtaining practical experience in:

1. Surgical diagnosis;
2. Use of surgical apparatus and appliances;
3. Administration of anaesthetics.

Certificates of proficiency in the administration of anaesthetics are given in accordance with the Ordinance after the student has received theoretical instruction, and has satisfactorily acquired practical experience in their administration.

## XIV. PRACTICE OF MEDICINE.

This Professorship, created in 1637, but long suppressed for want of revenue, was revived by the College in 1712, and endowed by Queen Anne in the following year. It is in the gift of the Crown.

*Professors.*

1714. John Johnstoun, M.D.	1852. John M'Farlane, M.D.
1751. William Cullen, M.D.	1862. Sir W. T. Gairdner,
1756. Robert Hamilton, M.D.	K.C.B., M.D., LL.D., F.R.S.
1757. Joseph Black, M.D.	1900. Sir Thomas M'Call
1766. Alex. Stevenson, M.D.	Anderson, M.D.
1789. Thomas C. Hope, M.D.	1908. Samson Gemmell, M.D.
1796. Robert Freer, M.D.	1913. T. K. MONRO, M.A.,
1827. Charles Badham, M.D.	M.D.
1841. William Thomson, M.D.	

*First Assistant*—George A. Allan, M.B., Ch.B.

*Second Assistant*—Adam Patrick, M.A., M.D.

The lectures and other instruction given from this Chair are intended to teach the principles and practice of the Healing Art, in so far as this comes within the province of the physician and of the general practitioner, as distinguished from the surgeon and the specialist. While the paramount importance of clinical or bedside work has been increasingly and justly recognised in recent years, it nevertheless remains true that a certain amount of systematic teaching is essential, whether this is to be obtained from text-books or from lectures; and experience has fully demonstrated the advantage to be derived from a combination of the written and the spoken word. Clinical instruction is not sufficient, because it necessarily depends upon the material which happens to be available in the hospital wards, and because the safety and comfort of the patients, and the nursing and administrative arrangements, restrict the number of hours which can be spent each day, by students, in the examination of the sick. Systematic instruction of itself is still less sufficient, since it furnishes none of that training of the senses which is necessary for the proper recognition of disease, nor does it provide for the acquisition of certain indispensable methods of physical diagnosis which can only be mastered by actual practice at the bedside.

The scope of the Practice of Medicine is so extensive that no satisfactory attempt to cover it could be made in the two terms of a Winter Session. Nevertheless the fundamental principles on which are based the Arts of Diagnosis, Prognosis and Treatment (which together may be said to constitute the *practice* of Medicine) may be inculcated in a much shorter period, through a detailed study in the lecture room of a series of different types of disease. The general arrangement of the course is that the more important diseases of certain organs and systems of the body are considered, so far as time will permit, in one Winter Session, and that those parts of the subject which are not overtaken in this way are considered first in the ensuing Winter.

Additional instruction is given in the Summer term by the University Assistants, on two days in each week. This course is open, without fee, to students who have already attended the qualifying Winter course.

Three written examinations are held in the Winter Session, and the Gairdner medal and certificates of merit are awarded in accordance with the results of this necessary portion of the class-work.

The dies for the portrait-medal of Sir William T. Gairdner, K.C.B., were presented to the University, along with a portrait of Gairdner, by his former students, on 28th January, 1893.

The Professor conducts at the Western Infirmary, both in Winter and in Summer, qualifying courses of clinical instruction for the medical students of the University. A Cullen medal and certificates of merit are awarded at the close of each Session in accordance with the results of the class examinations.

*Text-books.*—Of the numerous treatises which are available, Osler's *Principles and Practice of Medicine* and Monro's *Manual of Medicine* may be named as suitable systematic works, while Hutchison and Rainy's *Clinical Methods* may be selected as a useful clinical manual.

#### XV. MEDICINE—(MUIRHEAD CHAIR).

In May 1874 a chair of Clinical Medicine was founded in the University, and the right of presentation to the Chair was vested in the University Court. Professor THOMAS M'CALL

ANDERSON occupied the Chair from 1874 till 1900, and Professor SAMSON GEMMELL from 1900 till 1908.

By the provisions of University Court Ordinance No. XXXIV., Glasgow No. 10, the title of the Chair was altered to Muirhead Chair of Medicine, the duties of the Professor were modified, and the patronage was vested in eleven Curators, of whom seven are nominated by the University Court, two by the Managers of the Royal Infirmary, and two by the Trustees of the late Henry Muirhead, M.D., LL.D. This Ordinance was made by the University Court in pursuance of the provisions of the Glasgow University (Chair of Clinical Medicine and Chair of Clinical Surgery) Order 1910, and the Muirhead Trust Order 1910, which were confirmed, under the Private Legislation Procedure (Scotland) Act 1899, by an Act of Parliament dated 26th July, 1910. In virtue of these arrangements the Trustees of the late Henry Muirhead provided certain funds for the purpose of augmenting the emoluments of the Chair, to which the first appointment was made in 1911. By an agreement between the University Court and the Managers of the Royal Infirmary, the Professor is provided at that Infirmary with accommodation and facilities for teaching.

*Professor.*

1911. WALTER K. HUNTER, M.D., D.Sc.

*University Assistant*—Alex. M. Kennedy, M.D.

The Professor gives instruction both in Systematic and in Clinical Medicine.

I. THE SYSTEMATIC COURSE of lectures is given in the Medical School of the Royal Infirmary at 12 noon, five days a week, during the winter session.

The subject of study is the etiology, diagnosis, prognosis and treatment of disease in so far as it relates to internal medicine. It is not found possible to overtake the whole of this in one winter session, but diseases omitted are always included in the following winter's syllabus.

II. CLINICAL MEDICINE is taught in Wards 8 and 9 of the Royal Infirmary, at 9.15 a.m., five days a week, during the winter and the summer session. The instruction takes the form of lecture-demonstration, as well as Ward visitation; and three days a week the class is divided into sections for the more

systematic study of the various methods of physical diagnosis. Senior students are expected to act as clinical clerks and to report the cases as they are admitted to the Wards.

Text-books: *Principles and Practice of Medicine*, by Osler; *Manual of the Practice of Medicine*, by Taylor; *A Text-book of the Practice of Medicine*, by Roberts; *Elements of Practical Medicine*, by Carter; *Clinical Methods*, by Hutchison and Rainy.

## XVI. MIDWIFERY.

This subject was originally taught as part of the course in Anatomy, but in 1790 the Faculty of the College appointed Mr. James Towers to be Lecturer in Midwifery, and in 1792 assigned him a salary out of the Walton Fund. In 1815 the Chair was founded by George III., and Mr. Towers became the first Professor. The Crown is the Patron.

### *Professors.*

1815. James Towers, C.M.	1834. William Cummin, M.D.
1820. John Towers, C.M.	1840. John M. Pagan, M.D.
1833. Robert Lee, M.D.	1868. William Leishman, M.D.
1894. MURDOCH CAMERON, M.D.	

The Lectures embrace the Theory and Practice of Midwifery and the Diseases of Children. The Professor was Physician to the University Lying-in Hospital and Dispensary, an institution which was many years ago established in the neighbourhood of the old College. The altered circumstances of the school having, however, rendered this situation unavailable for Clinical instruction, other arrangements have now been made by which the Managers of the Western Infirmary have placed a ward for the Diseases of Women under the charge of the Professor. Ample opportunity is afforded for Clinical instruction in Midwifery at the Glasgow Maternity Hospital, to which the Professor holds the appointment of Senior Obstetric Physician.

A course of lectures on the Diseases of Women is delivered in summer.

## XVII. OBSTETRICS AND GYNAECOLOGY—(MUIRHEAD CHAIR).

This Chair was founded by University Court Ordinance No. XXXIV., Glasgow No. 10, approved by His Majesty in

Council on 5th July, 1911. The Ordinance was made by the University Court in pursuance of the provisions of the Muirhead Trust Order, 1910, which was confirmed, under the Private Legislation Procedure (Scotland) Act 1899, by an Act of Parliament dated 26th July, 1910. The patronage is vested in eleven Curators, of whom seven are nominated by the University Court, two by the Managers of the Royal Infirmary, and two by the Trustees of the late Henry Muirhead, M.D., LL.D. By an agreement between the University Court and the Managers of the Royal Infirmary, the Professor is provided at that Infirmary with accommodation and facilities for teaching. The first appointment to the Chair was made in 1911.

*Professor.*

1911. JOHN M. MUNRO KERR, M.D.

*University Assistant*—A. Louise M'Iloy, M.D., D.Sc.

The Lectures during the Winter Session embrace the theory and practice of Midwifery and Gynaecology. The Professor is Physician to the Glasgow Maternity and Women's Hospital, and Gynaecological Surgeon to the Royal Infirmary. Instruction is given in Clinical Midwifery in the Glasgow Maternity and Women's Hospital, and Clinical Gynaecology in the Wards of the Royal Infirmary, which are under the direction of the Muirhead Professor.

There is a special Course of Systematic and Clinical Gynaecology in the Summer Session.

## XVIII. INSANITY.

### (PSYCHOLOGICAL MEDICINE.)

This Lectureship was instituted by the University in 1880. Great advantages are offered to students for the study of this subject, the Lecturer being Physician Superintendent to the Royal Asylum, Gartnavel, and Physician to the Department for nervous and mental disorders at the Dispensary of the Western Infirmary.

*Lecturers.*

1880. David Yellowlees, M.D., LL.D.

1905. LANDEL R. OSWALD, M.B., C.M.

A course of Lectures is given in the University at 12 noon on Wednesdays during the summer session, and Clinical Instruction at the Asylum, Gartnavel, at 10 A.M. on Saturdays.

*For the Mackintosh Mental Science Bursary see "Bursaries."*

#### XIX. MACKINTOSH LECTURESHIP IN PSYCHOLOGICAL MEDICINE.

This Lectureship, originally connected with St. Mungo's College, Glasgow, was founded by Dr. Donald MacKintosh, of London, in memory of his brother, Dr. Alexander MacKintosh, for many years Physician-Superintendent of the Royal Lunatic Asylum, Gartnavel.

*Lecturer.*

1913. JAMES H. MACDONALD, M.B., CH.B.

The course of instruction in Psychological Medicine embraces

- (a) Systematic Lectures,
- (b) Clinical Lectures and Demonstrations,
- (c) Pathological Demonstrations.

The Systematic Course is given in the Medical School of the Royal Infirmary at 1 p.m. on Wednesdays during the Summer Session, and embraces lectures on Normal and Morbid Psychology, and on Insanity in its Medico-legal Relations.

The clinical instruction is given at 10 A.M. on Saturdays, at Hawkhead Asylum, Crookston, where there are seven hundred patients under the care of the lecturer, who is Physician-superintendent. The course embraces lectures and demonstrations on the Signs and Symptoms of Disordered Mind; the Etiology, Symptomatology, Course, Prognosis and Treatment of the various forms of Insanity; demonstrations of macroscopic and microscopic specimens, illustrating the morbid changes in the brain in Insanity.

Text-books: *A Text Book of Psychiatry* (Bianchi-McDonald); *Psychological Medicine* (Maurice Craig).

*For the MacKintosh Mental Science Bursary, see "Bursaries."*



## XX. OPHTHALMOLOGY.

This Lectureship was instituted by the University in 1828.

*Lecturers.*

- 1828. William M'Kenzie, M.D.
- 1868. George Rainy, M.D.
- 1869. Thomas Reid, M.D., LL.D. (From 1869 till 1900).
- 1911. A. MAITLAND RAMSAY, M.D.

A course of instruction in Ophthalmology is given during each session. In each term of the session Clinical Demonstrations are given on Mondays and Thursdays at 4 p.m. in the Ophthalmic Department of the Glasgow Royal Infirmary, 126 West Regent Street. Lectures are given during the second term of the winter session on Thursdays at 4 p.m., and in the summer term a short course of Lectures is given in the Anatomy Class Room at Gilmorehill on Tuesdays at 4 p.m. Students, both men and women, will be enrolled at the beginning of each term; they are required to attend at least twenty meetings of the class, including Clinical Demonstrations and Lectures.

Since 1895 Dr. Maitland Ramsay has been Lecturer in Ophthalmology to the women students of the University. From 1900 till 1911 there was no official lecturer to the men students.

## XXI. FEVERS.

The course of Clinical Instruction in Fevers must consist of at least ten meetings in a hospital for infectious diseases containing not less than fifty beds. Such instruction is given in the City of Glasgow Fever Hospitals, Belvidere and Ruchill. Each student must, before commencing attendance at the Hospital, obtain at the office of Mr. James D. Borthwick, Treasurer, Police Department, 285 George Street, an admission card—Fee, £1 1s.

## XXII. DISEASES OF THE EAR.

This Lectureship was instituted by the University Court in 1895.

*Lecturer.*

1895. THOMAS BARR, M.D.

Short courses on Diseases of the Ear are conducted in winter and summer. They are largely of a practical character, and arrangements are made so that each student may attend at

least ten meetings for practical instruction. At these meetings the students are taught how to examine and treat the ear, while illustrative cases are regularly demonstrated. In connection with each course a weekly lecture is delivered in the University, and illustrated by means of lantern slides, diagrams, specimens, and demonstrations of methods of examination and treatment. The practical work is carried on at the Aural department of the Western Infirmary or at the Glasgow Ear Hospital, by the Lecturer and Dr. J. Stoddart Barr, on days and hours to suit as far as possible the convenience of students. As it is not considered desirable that a complete course of systematic lectures be given on this subject, it is understood that a suitable book on Diseases of the Ear should be studied by the student while attending the practical course. It will be arranged that those who are desirous of pursuing the subject further may receive more advanced practical instruction in a second course.

Prizes are awarded to the most proficient students as tested by clinical examination.

*Text-books.*—*Manual of Diseases of the Ear* (4th Edition, 1909), by Thomas Barr, M.D., and J. Stoddart Barr, M.B.; also, by the same authors, *Guide to the examination of the Ear and Hearing* (1908).

### XXIII. DISEASES OF THE EAR. (ROYAL INFIRMARY.)

This Lectureship was instituted in 1913.

*Lecturer.*

1913. J. KERR LOVE, M.D.

A winter and a summer course are given. Each meeting is divided into a lecture and a practical demonstration. Specimens and lantern demonstrations are used, patients are examined by students, and the latter are expected to perform the minor operations of aural surgery. Students are invited to be present on the operating days in the Royal Infirmary to witness the major operations of aural surgery. The effects on speech of the loss of hearing are demonstrated, and the principles of the education of the deaf and dumb are explained. At the end of the Course a practical examination is held and a Lecturer's Prize is awarded. Guidance is given to students as to text-books.

## XXIV. DISEASES OF THE THROAT AND NOSE.

This Lectureship was instituted by the University Court in 1895.

*Lecturer.*

1895. JAMES WALKER DOWNIE, M.B., F.R.F.P. and S.G.

The course of instruction on Diseases of the Throat and Nose is clinical in character, and is conducted in conformity with the University Court Ordinance No. 31, Section VIII., Sub-section 11 (3), according to which candidates for graduation in Medicine are required to attend a practical course of at least ten meetings on this subject. To permit of the necessary subdivision of the class for purposes of practical instruction there is a Winter and a Summer course, each having about the same number of meetings.

At the beginning of each session, the class meets as a whole at the University on Thursdays at 4 P.M. There the methods of examining the throat and nose, and the apparatus necessary for this purpose, are described and explained: the appearance of the parts in health and as altered by disease is described, as are also the means of treatment, etc.

The class is then divided into sections for practical instruction. These sectional meetings are held at the Western Infirmary (Throat and Nose Department)—one section on Tuesdays, another on Fridays, at 4 P.M. At these meetings each student is afforded every facility for examining the various patients for himself under the supervision of the Lecturer.

In the Lectures at the University fuller instruction than can be communicated in the presence of the patient regarding pathological conditions seen at the Infirmary is given, and these lectures are illustrated by casts and diagrams, stereoscopic photographs and lantern slides, instruments, anatomical and pathological specimens, etc. While regular attendance on the practical instruction at the Infirmary is necessary to obtain a certificate, all members of the class are strongly recommended also to attend the meetings at the University with regularity.

The Asher Asher Memorial Gold Medal is awarded in connection with this lectureship. The examination, which is clinical in character, is held towards the close of the Winter Session, and students attending during that session, and those

who obtained First-class certificates in the class examination in the immediately preceding Summer Session, are eligible.

*Text-books.*—*Clinical Manual of Diseases of the Throat* (2nd Edition, 1909), by J. Walker Downie, M.B.; *Diseases of the Nose*, by E. S. Waggett, M.A., M.B.

XXV. DISEASES OF THE NOSE AND THROAT.  
(ROYAL INFIRMARY.)

This Lectureship was instituted in 1913.

*Lecturer.*

1913. JOHN MACINTYRE, M.B., C.M.

The course of instruction on Diseases of the Throat and Nose is clinical in character, and is conducted in conformity with the University Court Ordinance No. 31, Section 8, Sub-section 11 (3), according to which candidates for graduation in medicine are required to attend a practical course of at least ten meetings on this subject.

The class will meet in summer or winter, or both, as required for practical instruction, and the number of demonstrations will be in accordance with the above mentioned Ordinance. Days and hours will be arranged for each term.

The instruction given in the practical courses above referred to cannot be appreciated unless some special lectures or demonstrations or both are given to explain the principles involved in diagnosis, prognosis, and treatment. By way of preparation for the ordinary clinical work, extra lectures or demonstrations will be given upon the methods of examination, the anatomy, the physiology and the pathology of the affections of the upper respiratory tract. Further, the normal appearance of the different parts as seen in health will be described, and deviations from the normal described. In addition to instruction upon constitutional methods of treatment, local measures and instruments necessary for surgical procedures will be shown.

These demonstrations will be illustrated by means of diagrams, photographs (ordinary, stereoscopic, X-ray), anatomical, physiological and pathological specimens (macroscopic and microscopic), casts, magic lantern slides, etc.

Students are strongly recommended to attend these demonstrations in addition to the practical work of the class.

XXVI. THE M'CALL ANDERSON MEMORIAL LECTURESHIP  
IN DERMATOLOGY.

*Lecturer.*

1909. JOHN WYLLIE NICOL, M.B., C.M.

The Glasgow Hospital for Diseases of the Skin, latterly situated in Elmbank Street, was founded in 1861, and ten years later wards for Skin Diseases were provided in the Western Infirmary. From its foundation till 1908 Professor Sir Thomas M'Call Anderson (till 1905 Dr. M'Call Anderson), in whose memory the Lectureship has been instituted, was connected with the Hospital as Physician.

In terms of the Glasgow Hospital for Skin Diseases Order, 1909, the Hospital as a separate institution was discontinued, and a transference effected of its work to the Western Infirmary, the Skin Disease Wards of which are now designated "The M'Call Anderson Memorial Ward" and "The A. B. Buchanan Memorial Ward." An endowment Fund for the Lectureship was provided by the Hospital. The Lecturer, Dr. Nicol, was for a number of years associated in the work of the Hospital with Sir Thomas M'Call Anderson.

The course of instruction on Diseases of the Skin is of a thoroughly practical character. Courses are held during the Winter and Summer Sessions.

XXVII. DERMATOLOGY (ROYAL INFIRMARY).

This Lectureship was instituted in 1913.

*Lecturers.*

1913. Alexander Morton, M.A., M.D.

1914. GEORGE M'INTYRE, M.B., C.M.

The practical work is carried on in the Dispensary of the Royal Infirmary, where cases will be shown, and diagnostic points indicated. On days, and at an hour convenient for the students, lectures illustrated by casts, photographs, etc., will be given in explanation of the cases thus seen.

## XXVIII. VENEREAL DISEASES.

This Lectureship was instituted in 1912. The movement was initiated by the Managers of the Royal Infirmary who obtained from the Merchants' House for this purpose a grant from the Ewing and Buchanan Bequests. The University Court make the appointment, and the Managers of the Royal Infirmary and also of the Lock Hospital undertake to supply facilities for giving practical instructions.

*Lecturers.*

1912. David Newman, M.D.

1914. DAVID WATSON, M.B., C.M.

Classes are held at the Royal Infirmary and Lock Hospital during both the Summer and Winter Sessions. The course is of essentially a practical nature, consisting of twenty bacteriological and clinical demonstrations.

## IV.—FACULTY OF LAW.

The Faculty of Law embraces the Chairs of Law and Conveyancing, and also the Chairs of Forensic Medicine and Political Economy. In this Faculty there are also Lectureships on Civil or Roman Law, Constitutional Law and History, Jurisprudence, Public International Law, International Private Law, Mercantile Law, and Evidence and Procedure.

For the information of students proposing to enter the legal profession, whether as Advocates or as Law Agents, it may be stated that by the regulations of the Faculty of Advocates every intrant to the Faculty is required to produce evidence of being duly qualified (1) in General Scholarship, and (2) in Law. In General Scholarship the possession of any one of certain University degrees, including the degree of M.A. from a Scottish University, is deemed a sufficient qualification. If the intrant does not hold a qualifying degree he is required to undergo an examination in certain specified branches of General Scholarship as to which information may be obtained on application to the Clerk of Intrants to the Faculty. On the expiration of a year after the intrant has been found qualified in

General Scholarship, his examination in Law may be proceeded with, subject to these conditions : (1) That he shall not during the year before such examination have engaged in any trade, business, or profession, either on his own account, or as assistant to or in the employment of another ; and (2) that he shall produce evidence of attendance, such as is required for admission to examination for a Law degree, in a class of Scots Law and a class of Conveyancing, in a Scottish University, and evidence of the like attendance in a class of (a) Civil Law, (b) Philosophy of Law and International Law, Public or Private, (c) Constitutional Law and History in a Scottish University, or such attendance in another University or School of Law as may seem to the Dean and his Council to be equivalent thereto, and (d) Medical Jurisprudence, in a University, or in a School recognised as qualifying for University Degrees. On the production by the intrant of evidence of his having attended the necessary classes (which he may attend in any order he thinks fit), he is examined on (1) Civil Law, (2) Philosophy of Law and International Law, Public or Private, (3) Constitutional Law and History, (4) Medical Jurisprudence, (5) Scots Law, Civil and Criminal, including Procedure, (6) Conveyancing. Information as to the books prescribed may be obtained from the Clerk of Intrants. If, however, the intrant has obtained the degree of LL.B. from a Scottish University after examination in all the subjects above prescribed for examination in Law, and also produces evidence that he has passed an examination in Procedure, he is held qualified in General Scholarship and Law without examination or other evidence of qualification, subject to the conditions that during the year immediately before presenting his diploma to the Examiners, he shall not have been engaged in any trade, business, or profession, as above set forth, and that he shall have duly presented his petition for admission and appeared before the Examiners prior to the commencement of such year. If the intrant has obtained said degree of LL.B. after passing examinations in one or more of the said subjects he is exempt from examination in these subjects. He must pass in at least two of the subjects at one time. The regulations regarding the "Public Examination," which all intrants, whether graduates or not, must undergo, require that the intrant shall write a Thesis on a Title of the Pandects assigned to him by the Dean,

and shall defend it on its being impugned. The question as to the intrant's admission is then decided by the Faculty voting by ballot.

Admission to the profession of a Law Agent is regulated by the Law Agents Act, 1873, and by the Law Agents and Notaries Public Act, 1891, and relative Acts of Sederunt of the Court of Session, prescribing rules as to subjects of examination and certain conditions of admission. Information as to the subjects of examination may be obtained from the Clerk to the Examiners. The former Act requires in general that every applicant for admission must have served an apprenticeship of five years with a practising law-agent or with a sheriff-clerk in office at the passing of the Act, which apprenticeship, if entered upon after the passing of the Act, must be served under indenture, recorded and intimated as the Act requires. In certain cases, however, an apprenticeship for three years is allowed as sufficient, the excepted cases including that of a person holding a degree in Law or in Arts of a University in Great Britain or Ireland granted after examination.

The Act of Sederunt of 18th March, 1893, institutes two examinations in General Knowledge, and prescribes the subjects of these examinations and of the examination in Law. By the Act of Sederunt of 21st November, 1902, in any subject to which the certificates or passes apply a Higher or Lower Grade Leaving Certificate issued prior to 1st June, 1902, or a Leaving Certificate or an Intermediate Certificate issued subsequent to that date, or a Pass in either Higher or Lower Grade granted as a step towards a Leaving Certificate, exempts from the first examination in General Knowledge; and a Higher Grade Leaving Certificate issued prior to 1st June, 1902, or a Leaving Certificate issued subsequent to that date, so far as obtained by passing on the Higher Grade, or a Pass in the Higher Grade granted as a step towards a Leaving Certificate, exempts from the second examination. Higher or Lower Certificates of the Oxford and Cambridge Schools Examination Board afford similar exemptions to Higher or Lower Grade Leaving Certificates. Higher Standard Certificates in the Preliminary Examination for M.A. under Ordinance No. 11 exempt from both of these examinations, but an examination in Book-



keeping must be passed. A Lower Standard Certificate in the Preliminary Examination for M.A. under Ordinance No. 11 exempts from the first examination in General Knowledge in any subject to which that Certificate applies, and a Higher Standard Certificate exempts similarly from the second examination in General Knowledge. Certificates entitling to exemption from the first examination must be presented to the Clerk of the Board of Examiners of Law Agents before the commencement of apprenticeship. A candidate for admission as Law Agent is exempted from any examination in General Knowledge, including book-keeping, if (*inter alia*) he hold a Degree of any University in the United Kingdom granted after examination. By Act of Sederunt, 18th March, 1893, a candidate who holds the degree of LL.B. or B.L. of any Scottish University is exempted from any examination in Law, excepting only on Forms of Process, Civil and Criminal. But an Act of Sederunt of 23rd December, 1904, provides that a candidate who holds the Degree of LL.B. or B.L. of any Scottish University who has not passed in the Law of Scotland and Conveyancing, or either of them, for his Degree shall be required to pass a qualifying examination in the omitted subject or subjects to the satisfaction of the Examiners of Law Agents.

The Act of Sederunt dated 11th July, 1899, provides *inter alia*:—(1) The first examination in general knowledge shall be taken before the commencement of apprenticeship, and no person shall be admitted as apprentice under indenture to a Law Agent until he shall have passed the said first examination. (2) The second examination in general knowledge may be taken at any time after the candidate has passed the first examination. (3) A candidate who fails to pass the first or second examination may again offer himself for examination, and shall be re-examined in all the subjects, or such part thereof as the examiners may determine. It shall be in the power of the examiners to fix a time before which a candidate who has failed to pass any examination shall not present himself again for examination. (4) No candidate shall be examined in Law until he has passed the second examination in General Knowledge.

For Regulations as to Graduation in Law, see Index.

## LAW.

This Professorship is in the gift of the Crown. After being long in abeyance for want of revenue, it was revived by the College in 1712, and endowed by Queen Anne in the following year.

*Professors.*

1714. Wm. Forbes, Advocate.	1867. Robert Berry, M.A.,
1746. Wm. Cross, Advocate.	LL.D., Advocate.
1750. Hercules Lindsay, LL.D.	1887. Alex. Moody Stuart,
1761. John Millar, Advocate.	LL.D., Advocate.
1801. R. Davidson, Advocate.	1905. WILLIAM M. GLOAG,
1842. Allan A. Maconochie,	K.C., B.A., LL.D.,
Advocate.	Advocate.
1855. Geo. Skene, Advocate.	

SCOTS LAW.—The course extends to about 100 Lectures, embracing as full a course of Scots Law in each session as the time will permit, and including, so far as practicable, Lectures on the following subjects:—Sources and Development of the Law of Scotland; Law of Personal and Domestic relations—Marriage—Parent and Child—Succession—Trusts; Law of Property—Landownership—Patents—Copyright; the Law of Obligations and Contracts generally, their Constitution and Extinction, Legality and Illegality—the Law of Sale—Retention and Lien—Loan; Deposit—Pledge—Hiring, and the Law of Master and Servant—Agency—Workmen's Compensation Act—Partnership—Cautionary Obligations; Law of Landlord and Tenant; Law of Reparation—Personal injury—Defamation; Law of Diligence and Bankruptcy; Criminal Law, etc.

The text-book recommended to students is Erskine's *Principles of the Law of Scotland*, twenty-first edition.

The class meets five days a week—viz., every day except Monday, from 8 A.M. to 9 A.M. At intervals throughout the session the hour is devoted to the ordinary class examinations, which are conducted in writing.

Three Prizes are given by the University for proficiency in the class examinations; and the "Robert Ross Prize," being the free annual income of a sum of £500 bequeathed by the late Robert Ross, Esq., writer, Glasgow, is awarded in equal por-

tions to the head students of the year in this class and in the class of Conveyancing. Prizes are also given by the Faculty of Procurators, generally for distinction in a special written examination towards the end of the session.

*As to the Andrew Cunninghame Bursary and the Robert Macfarlane Bursary, see Index.*

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### CONVEYANCING.

This Chair was instituted by ordinance of the Universities Commission (1858) of date 15th June, 1861, which was approved by Her Majesty Queen Victoria in Council on 11th October, 1831. The right of appointment to the Chair is vested in the Dean and Council of the Faculty of Procurators, Glasgow.

#### *Professors.*

1862. Anderson Kirkwood, LL.D.

1867. Sir James Robertson, LL.D.

1889. James Moir, LL.D.

1916. WILLIAM SHARP M'KECHNIE, LL.B., D.Phil.

The course extends to about 100 Lectures, and during the session there are both oral and written examinations. As full a course of Conveyancing is given each session as the time permits. The subjects treated will be selected from the following list, viz. : (1) Introductory Lectures. (2) The Feudal System, the constitution of Feudal and Burgage Rights, and the transmission thereof by Deeds *inter vivos*, or by Judicial Acts. (3) Heritable Securities. (4) Leases. (5) Marriage Contracts, Bonds of Provision, Testamentary Deeds and Deeds of Entail. (6) The completion of Titles, in case of death, to Heritable and Moveable Estate.

The class meets every weekday, except Monday, from 8 A.M. to 9 A.M.

The text-book recommended is Menzies' *Lectures on Conveyancing*; students are advised to consult also Duff's *Feudal Rights*, with Supplement; *Lectures on Conveyancing*, by A. M. Bell; and Craigie's *Statutes*.

Prizes are usually given for eminence in the class examinations during the session. Prizes are also as a rule given by the Faculty of Procurators for distinction in a written examination

held towards the end of the session on some of the subjects of the course; and the "Robert Ross Prize," being the free annual income of a sum of £500 bequeathed by the late Robert Ross, Esq., writer, Glasgow, is usually awarded in equal portions to the head students of the year in this class and in the class of Scots Law.

*As to the Andrew Cunninghame Bursary and the Robert Macfarlane Bursary, see Index.*

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### FORENSIC MEDICINE.

This Professorship was created by the Crown in 1839.

#### *Professors.*

1839. Robert Cowan, M.D. | 1841. Harry Rainy, M.D.

1872. Pierce Adolphus Simpson, M.A. (Cantab.), M.D.

1898. JOHN GLAISTER, M.D., D.P.H. (Camb.), F.C.S., F.R.S.E.

This course, qualifying for graduation in Law (B.L. and LL.B.), will be delivered during the winter session at 9 A.M., after the Christmas vacation.

*Text-books.*—Guy and Ferrier, *Principles of Forensic Medicine*; Dixon Mann, *Manual of Medical Jurisprudence*; Glaister, *Text-book of Forensic Medicine*, etc. (3rd edition, 1915).

(See under Faculty of Medicine, p. 151.)

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### POLITICAL ECONOMY.

(See under Faculty of Arts, p. 103.)

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### CIVIL LAW.

The study of Civil Law in Glasgow is coeval with the establishment of the University. In the University Annals it is recorded that, in 1460, lectures on the Civil Law were delivered in the Chapter-House of the Friars Predicators by Master William of Levenax (Lennox). After being for a considerable period in abeyance, the study of the subject was revived in 1712.

In the middle of the eighteenth century the lectures were for the first time delivered in English; up to that time the prelections were in Latin. For some years during last century the lectures were once more in abeyance, but in session 1873-74 a class was again formed, and was taught in alternate sessions by the Professor of Law. In 1894 the University Court, carrying out a recommendation of the Universities Commission (1876), instituted a separate Lectureship in the subject.

#### *Lecturers.*

1895. J. M. Irvine, LL.B., Advocate.  
 1907. Hugh R. Buchanan, LL.B.  
 1909. WILLIAM DUNBAR, M.A. (Edin. and Oxon.),  
 LL.B., Advocate.

The course extends to at least eighty lectures. The opening lectures will deal with the Constitutional History of Rome and the history of the development of the law. This part is intended to serve as an introduction to the study of the special departments of the law. The remainder of the course will be devoted to a systematic exposition, in detail, of the various departments of the law, on the basis of Justinian's treatment in the *Institutes*. The class meets during the winter session, from 5.30 to 6.30 P.M. in the Faculty Hall, St. George's Place. Attendance at the class is required of all candidates for Degrees in Law (LL.B. and B.L.); it also qualifies for the Degree of M.A. if preceded by a course in Latin.

*Text-book.*—*Institutes of Justinian*; Ed., Moyle or Sandars. Reference is also frequently made to *Institutes of Gaius*; Ed., Poste, or Muirhead.

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### CONSTITUTIONAL LAW AND HISTORY.

This Lectureship was instituted by the University in 1878, and the class was taught in alternate years during the summer session, the course extending to forty lectures. In 1894 the University Court, to meet the requirements of the Ordinances for Graduation in Law, placed the Lectureship upon a new footing. The course was extended to eighty lectures, and the class was made a Winter Class, meeting every year. In April, 1900, the extended course was recognised as a full course in

Arts, qualifying for graduation for the ordinary Degree of M.A., and also for the Degree of M.A. with Honours in History. Attendance is required of all candidates for the Degree of Bachelor of Laws (LL.B.); and the same attendance constitutes a qualifying course for the Degree of Bachelor of Law (B.L.).

*Lecturers.*

1878. Charles S. Dickson, M.A., Advocate.

1878. Alex. Ure, LL.B., Advocate.

1889. Robert T. Younger, LL.B., Advocate.

1894. William S. McKechnie, LL.B., D.Phil.

1916. (Vacant.)

I. ORDINARY CLASS.—The course will be partly historical and partly analytical. The historical lectures will trace in outline the development of the Constitution from the Anglo-Saxon migrations to the present reign. The analytical lectures will treat (1) of the safeguards of the rights of individuals, and (2) of the separate parts of the Constitution and the distribution of power in the State.

The text-books are Taswell-Langmead, *Constitutional History*; Dicey, *Law of the Constitution*; and Thomas, *Leading Cases in Constitutional Law*. In addition, students are recommended to refer to Anson, *Law and Custom of the Constitution*; McKechnie, *Magna Carta*; and Bagehot, *English Constitution*. This class meets five days a week at 4.30 P.M. in the Faculty Hall, St. George's Place.

II. HIGHER ORDINARY CLASS.—Students taking this subject for a second year will attend the Honours Class.

III. HONOURS CLASS.—(See under Faculty of Arts, p. 116.)

### GENERAL OR COMPARATIVE JURISPRUDENCE.

This Lectureship was instituted by the University in 1893, under the title Philosophy of Law. The subject was at an early date treated as an integral part of the course of Moral Philosophy, under the name of Natural Jurisprudence. From 1878 it was treated by the Lecturer on Public Law as introductory to that subject.

*Lecturers.*

1893. William Galbraith Miller, LL.B.

1904. James A. McCallum, LL.B.

1913. A. A. MITCHELL, LL.B.

The lectures are mainly devoted to the analysis of fundamental legal conceptions and legal classification and the development of law and legal conceptions. Written exercises may be prescribed. The Guthrie Memorial Prize is awarded for distinction in the work of the class.

The class meets in the Faculty Hall, St. George's Place, at 4.30 P.M., on two, or three, days a week, as may be arranged, during the winter session.

Students are recommended not to take the class at the beginning of their law course.

*Text-books.*—Holland, *Jurisprudence*; Maine, *Ancient Law* (the edition with Sir F. Pollock's notes, which are also published separately, is recommended).

## THE LAW OF NATIONS, OR PUBLIC INTERNATIONAL LAW.

In 1878 the University instituted a Lectureship on Public Law. In 1894 the University Court, to meet the requirements of the ordinances for graduation in Law, created separate courses for International Private Law and for Jurisprudence.

### *Lecturers.*

1878. William Galbraith Miller, LL.B.

1904. A. H. CHARTERIS, LL.B.

The course will deal with the relations of States in peace, and in greater detail with their relations in war and neutrality. Written exercises will be prescribed. Students are expected to be acquainted with the elements of the Civil Law, and to have a general acquaintance with Modern European History.

*Text-books.*—Hall, *International Law* (5th ed.), or F. E. Smith's *International Law* (4th ed. by J. Wylie), and the texts of the Hague Conventions and of the Declaration of London. The latter are given in extract in Smith's *International Law*, 4th ed., and in full in Whittuck's *International Documents*, and in Pearce Higgins' *The Hague Conferences and other International Documents*. The cases referred to in the lectures should be studied in the collections edited by Pitt Cobbett or Scott or Bentwich.

The class will meet in the Faculty Hall, St. George's Place, at 8.45 A.M. during the winter session.

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### INTERNATIONAL PRIVATE LAW.

From 1878 this subject was treated as part of the course of Public Law. In 1894 the University Court, to meet the requirements of the ordinances for graduation in Law, instituted a Lectureship on International Private Law.

#### *Lecturers.*

1894. William Galbraith Miller, LL.B.

1904. A. H. CHARTERIS, LL.B.

This course is given in the summer session. The lectures discuss the principal doctrines as developed in the decisions of the British Courts compared with the results of Continental Jurisprudence. The subjects comprise Historical Outline; Principles of Jurisdiction; Nationality and Domicil; and in different sessions some of the following in detail: (1) Marriage, Divorce, Guardianship, and Family Law; (2) Contract, Delict, and Mercantile Law, including Bankruptcy; (3) Succession and Trust Law, Conveyancing and Heritable Rights; (4) Copyright, Trademarks, etc.; (5) Procedure and Evidence; (6) Criminal Law and Extradition; the other subjects being sketched in outline. Written exercises will be prescribed.

Students are expected to be familiar with the leading doctrines of the Civil Law and of Scots Law. The class meets five days a week at 8.45 A.M. in the Faculty Hall, St. George's Place.

*Text-book.*—Rattigan, *Private International Law*. Students are expected to study the Statutes referred to, and certain leading cases prescribed, of which useful collections will be found in Nelson's *Private International Law*, Beale's *Cases on the Conflict of Laws*, and Lorenzen's *Cases on Conflict of Laws*. Dicey's *Conflict of Laws* (2nd ed.), Westlake's *Private International Law* (5th ed.), and Duncan & Dykes' *Principles of Civil Jurisdiction* (1912), will be found useful for reference.

The Guthrie Memorial Prize is awarded for distinction in the work of the class.



## MERCANTILE LAW.

This Lectureship was instituted by the University in 1894.

*Lecturers.*

1894. James Mackenzie, Member of the Faculty of Procurators,  
Glasgow.  
1900. William Shaw, Member of the Faculty of Procurators,  
Glasgow.  
1907. THOMAS G. WRIGHT, LL.B., Member of the Faculty of  
Procurators, Glasgow.

This course extends to eighty lectures, and deals with the Constitution, Transmission and Extinction of Commercial Rights, always including the Law of Contract, Agency, Securities, Bills of Exchange, Diligence, and Bankruptcy. In the latter part of the session several of the more special branches of Commercial Law are discussed, such as Partnership, Companies, Banking, Patents and Trade Marks, Carriage, and Insurance. Attendance on the whole course may be reckoned as qualifying for (1) the Degree of LL.B., subject to the conditions of Ordinance No. 39, and (2) the Degree of B.L., under the University Court Ordinance No. XXXVII. The majority of the subjects dealt with are suitable for the requirements of students intending to follow the profession of Accountants or Bankers. The class meets at 5.30 P.M. in the Accountants' Hall, 218 St. Vincent Street.

*Text-books.*—Bell's *Principles of the Law of Scotland*. Students who have not already attended Scots Law should also refer to Erskine's *Principles of the Law of Scotland*.

Prizes are awarded for eminence in the Class Examinations. The "Sheriff Balfour" prize is also awarded for distinction in the work of the class.

## EVIDENCE AND PROCEDURE.

This Lectureship was instituted by the University in 1905.

*Lecturer*—ROBERT LAMOND, LL.B., Member of the Faculty of Procurators, Glasgow.

The course of forty lectures will describe the principles of the Law of Evidence and the relevancy and kinds of evidence.

It will also include a description of the various Courts, the nature of their civil and criminal jurisdiction, the actions and proceedings competent in each and the Procedure followed.

The attendance on forty lectures, constituting a half course, may, subject to the conditions laid down in Ordinance No. 39 and University Court Ordinance No. XXXVII., be reckoned as qualifying for the Degrees of LL.B. and B.L.

The lectures are delivered on four or five days of the week at 8.45 A.M. during the Summer Session in the Faculty Hall, St. George's Place, Glasgow.

*Text-books.*—Mackay, *Manual of Court of Session Practice*; Lewis, *Sheriff Court Practice*; Macdonald, *Criminal Law of Scotland*; *The Parliament House Book*, Parts A and B; Dickson on *Evidence*. Reference will also be made to Statutes and leading cases bearing on the subjects dealt with.

## FACULTY OF THEOLOGY.

The Faculty of Theology embraces the four classes of Divinity, Hebrew and Semitic Languages, Ecclesiastical History, and Divinity and Biblical Criticism. Any matriculated student may enrol in one or more of these classes separately. Candidates for the B.D. Degree must take the complete course prescribed by the regulations.

The following conspectus shows the order in which the classes should generally be taken :

### FIRST YEAR.

10 a.m.,	daily,	-	-	-	Junior Hebrew.
11 a.m.,	daily,	-	-	-	Junior Divinity.
12 noon,	daily,	-	-	-	Junior Church History.

### SECOND YEAR.

9 a.m.,	two days weekly,	-	-	-	Senior Hebrew.
10 a.m.,	daily,	-	-	-	Junior Biblical Criticism.
11 a.m.,	daily,	-	-	-	Senior Hebrew.
12 noon,	daily,	-	-	-	Senior Divinity.

### THIRD YEAR.

9 a.m.,	Tues., Wed., Thur.,	-	-	-	Senior Biblical Criticism.
10 a.m.,	Mon., Fri.,	-	-	-	Senior Biblical Criticism.
11 a.m.,	daily,	-	-	-	Senior Church History.
12 noon,	daily,	-	-	-	Senior Divinity.

Provision is made for the study of *Honours Hebrew* or *Aramaic* by students of the third year.

The following regulations are applicable to students preparing for the ministry of the Church of Scotland. Under the Act of General Assembly, 1883, consolidating the Acts presently in force in regard to the study of Divinity, all candidates for the ministry are required to attend at the Divinity Classes either three full and regular sessions, or two full and regular sessions and three partial sessions; and to give at least two full sessions of regular attendance on the classes of Church History, Hebrew, and Biblical Criticism.

Each student, in order to be enrolled *for the first year* of his attendance, must present to the Professor of Divinity, *first*, a certificate from the Presbytery within the bounds of which he usually resides, and by which he has been examined on his knowledge of the Holy Scriptures according to the authorized version, and of the Catechetical Standards of the Church; *secondly*, a certificate signed by the Convener or Vice-Convener of the Examining Board appointed by the General Assembly to conduct the examination of students previous to their entering the Divinity Hall.<sup>1</sup> In order to be admitted to this examination he must, in accordance with the Act of Assembly, 1896, produce, in addition to the certificate from the Presbytery recommending him, either (*a*) the diploma of a Master of Arts of a Scottish University, or the diploma of a Bachelor of Arts after an undergraduate course at any British or Irish University, or at any Colonial University at which the course is equivalent to that of a Scottish University, and which shall be approved by the General Assembly on a report from the Committee on the admission of ministers and the status of students of Divinity, or evidence that he has passed the examinations for, and is entitled to receive, such diploma of Master or

<sup>1</sup> The following are the subjects of examination for October, 1916: LATIN—Cicero, *De Senectute*; Virgil, *Æneid* II.; Prose Composition and translation of unseen passages. GREEK—Xenophon, *Memorabilia* I.; St. Mark's Gospel; translation of unseen passages and prose composition. HEBREW—The Grammar—Davidson's *Hebrew Grammar*, Sections 1–31. Genesis, Chapters I. and II., with grammatical questions limited to the sections in the Grammar prescribed. MORAL PHILOSOPHY—Mackenzie's *Manual of Ethics*, 4th ed., pp. 1–273. SCRIPTURE KNOWLEDGE—(1) Knowledge of English Bible—the following books specially prescribed: I. and II. Kings; St. Luke's Gospel; II. Corinthians. (2) Shorter Catechism. The examination at Glasgow will take place at the University, 4th and 5th October, 1916, at 10 a.m. each day.

For further information and for forms of application apply to the Rev. John Smith, D.D., The Manse, Partick, or to the Rev. W. S. Brownlee, B.D., Clydebank.

Bachelor of Arts; or (b) evidence that he has passed the Preliminary Examination required of those proceeding to the Degree of Master of Arts in a Scottish University, or such examination as the University authorities recognize as equivalent thereto, and that he has attended some one of the courses required<sup>1</sup> for that degree, and has not only attended the classes of the course, but has duly performed the work of each of them. Students who produce certificates of having passed in any subject with a view to the degree of M.A. at a Scottish University will be exempted from examination in that subject. All students—graduates as well as non-graduates—will be examined in Scripture Knowledge and New Testament Greek, and those whose certificates in their progress to a degree do not cover Greek, Latin, Moral Philosophy, and Hebrew will, in addition, be examined in any or all of those subjects not included.

Under the provisions of the Act of Assembly, 1916, students who have passed all their examinations for the Degree of M.A., and who fail at the Entrance Examination in October in not more than two of the following subjects, viz., Latin, Greek, Moral Philosophy, and Hebrew, will have an opportunity of being examined in the following April, at the time of the Exit Examination, in the subject or subjects in which they have failed. In the event of failure to pass in Greek, students are strongly recommended to attend a class in Greek during the session.

Students who began their Arts course before 1896 are requested to communicate with the Rev. Dr. Smith, Partick.

The student, in order to his enrolment *for each subsequent session* of his course, is required to present to the Professor of Divinity (a) a certificate from the Presbytery within whose bounds he chiefly resides, of his having been examined by them on the progress made by him in his studies, and of their satisfaction with the same, as well as (b) a certificate from the minister of his parish, or, during a vacancy in the parish, from the moderator of the kirk-session, bearing that he is of good character, and has been engaged in some practical Church work during the preceding year. (Deliverances of Assembly, 1894 and 1906.)

<sup>1</sup> Any student who has gone through a curriculum in Arts, but who has not graduated, may on application obtain, at the end of his course, a certificate to that effect from the Registrar on production of his Preliminary Examination Certificate and the necessary Class-tickets duly signed.

At the close of each session every student is required to take with him to the Presbytery certificates from the several Professors, under whom he has studied, of his good conduct and proficiency.

EXIT EXAMINATION.—Candidates for licence who have finished a regular course of study in Theology shall be examined as soon as it can conveniently be done after the close of the Divinity session by the Examining Board. "The following shall be the heads of subjects of examination:—(i.) Apologetics, including Natural Theology; (ii.) Church History; (iii.) Old Testament Introduction and Exegesis; (iv.) New Testament Introduction and Exegesis; (v.) Christian Doctrine; (vi.) Scripture Knowledge." "Students who have passed for the Degree of B.D., and who satisfy the Committee that they have done so, shall be exempted from examination in the subjects covered by the Degree of B.D." The Exit Examination for 1917 will be held at the University on Tuesday, 17th, and Wednesday, 18th April, at 10 A.M. each day.

The subjects of examination will be

- I. *Apologetics*. Flint's *Theism*.
- II. *Church History*.—1. To A.D. 325. 2. Scottish Church History—1700-1843.
- III. *Old Testament Introduction and Exegesis*.—1. Isaiah xl.-xlv. 2. Psalms c.-cvi.
- IV. *New Testament Introduction and Exegesis*.—1. Colossians. 2. Greek New Testament *ad apert*.
- V. *Christian Doctrine*.—1. Doctrine of the Atonement. 2. Theology of Epistles of St. John. 3. Confession of Faith (historical origin and contents).
- VI. *Scripture Knowledge*.—1. General Knowledge of the English Bible; special attention to be paid to the following books: Minor Prophets; St. Matthew's Gospel; Acts of the Apostles and Epistle of St. James. 2. Shorter Catechism.

Those who have passed for the degree of B.D. will be examined in IV. 2, V. 3, and VI. only.

The Convener of the Board is the Rev. John Smith, D.D., The Manse, Partick.

PUBLIC READING AND SPEAKING.—By Act of Assembly 1883, vii., students are required to study the art of public reading and speaking under some competent teacher approved

by the Faculty of Theology,<sup>1</sup> during at least one hour a week in each of two sessions, the attendance extending in every case over at least sixteen weeks of the session, and to produce, before being taken on trials, due evidence of such attendance.

**PASTORAL THEOLOGY.**—By appointment of the General Assembly, the Home Mission Committee provides an annual course of lectures on Pastoral Theology, attended usually by second-year and third-year students. The lecturer in session 1915-16 was the Rev. Alex. Ritchie, B.D., Dunblane.

By Act IX. of Assembly, 1895, it is enacted—"that every student before being taken on trials for licence shall produce evidence of having regularly attended two courses of the Pastoral Lectures provided by the Home Mission Committee."

**PRESCRIBED DISCOURSES.**—Each student is required during his curriculum to deliver *six* discourses—viz., an **ESSAY** on some head in Biblical Theology, a **HOMILY** in English, a **CRITICAL EXERCISE** on some portion of the original text of the Old Testament, an **EXERCISE** and **ADDITION** on some portion of the original text of the New Testament, a **LECTURE** on some portion of Scripture, and a **POPULAR SERMON**, with such other exercises as the Professors may think fit to prescribe. No student can be taken on trials for licence by any Presbytery until he has produced, along with class certificates from the Professors of Church History, Hebrew, and Biblical Criticism, a certificate from the Professor of Divinity that the discourses so prescribed have been sustained.

The Faculty of Theology have adopted the following regulations as to the delivery of these discourses:—(1) That the Homily shall be given in to the Professor of Church History at such time as he shall appoint in the *first* session of the student's course; (2) that the Essay on some head in Biblical Theology shall be given in to the Professor of Divinity, and the Lecture to the Professor of Biblical Criticism, in the *second* year of the

<sup>1</sup> For the purposes of the Act of Assembly, and to qualify for the competition for the Dowanhill Prizes, the following teachers are recognised:—Mr. J. Bruce Alston, Albany Chambers, Charing Cross; Mr. Thomas Harrower, Christian Institute, 70 Bothwell Street; Mr. R. E. Jeffrey, 206 Sauchiehall Street; Mr. Joseph Moore, 15 Blythswood Drive; Mr. J. Crombie Saunders, M.A., 6 Newton Terrace; and Mr. Percival Steeds, B.A. (Oxon.), Glasgow Athenaeum. The minimum fee to be charged by each teacher is one guinea when the students are taught in classes. The name of any teacher having no students for two successive years will be dropped from the list and not reinstated without a special application to the Senate.

student's course, at such times as shall be appointed by these Professors respectively; and (3) that the Popular Sermon shall be given in to the Professor of Divinity, the Hebrew Critical Exercise to the Professor of Hebrew and Semitic Languages, and the Exercise and Addition to the Professor of Biblical Criticism, in the *third* session of the course, at such times as shall be appointed by the several Professors. The subjects of the Discourses will be prescribed by the Professors to whom they are severally to be given in.

"Every student shall deliver his first discourse some time during his second session at the latest, and the remainder of his discourses at such periods as may enable him to deliver the whole of them before the end of January of the last session of his course" (*Act of Assembly*, 1883, VII., chap. 1, section 9).

CHURCH LAW.—A short course of lectures in Church Law is given every second session by a lecturer invited to do so by the Faculty. These lectures have hitherto been given by William George Black, Esq., LL.D.

DIVINITY HALL LIBRARY.—See p. 232.

### SESSION 1916-17.

It has been arranged that on Monday, 16th October, there shall be HOLY COMMUNION in Belmont Parish Church at 10.30 A.M.; that thereafter Professor Cooper shall deliver at the University the Opening Lecture of the Divinity Session, at 12 noon; and that the Professors of the Faculty shall entertain the Students to Luncheon in the University Union at 1.30 p.m.

Lectures will begin on Tuesday, 17th October, at the usual hours.

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### DIVINITY.

This Professorship was founded in 1640, and the foundation ratified in Parliament. The Professor is appointed by the University Court.

*Professors.*

1640-50. David Dickson.	1761. Robert Trail, D.D.
1642-61. Robert Baillie.	1775. James Baillie, D.D.
1653. John Young.	1778. William Wight, D.D.
1669. Gilbert Burnet, D.D.	1782. Robert Findlay, D.D.
1674. David Liddell.	1814. Stevenson Macgill, D.D.
1682. Alexander Ross, D.D.	1840. Alexander Hill, D.D.
1688. James Wemyss, D.D.	1862. John Caird, D.D.
1692. James Wodrow.	1873. William Purdie Dickson, D.D., LL.D.
1708. John Simson.	1895. William Hastie, D.D.
1740. Michael Potter.	
1744. William Leechman, D.D.	
1903. HENRY MARTYN BECKWITH REID, D.D.	

The course extends over at least three full and regular sessions. The classes meet in the Divinity Hall on five days of the week, the Junior Class at 11 A.M., the Senior Class (for all but first-year men) at 12 noon.

I. JUNIOR CLASS, 11 A.M. The subjects dealt with are as follows:

THEOLOGICAL ENCYCLOPAEDIA; PHILOSOPHY OF RELIGION (including Psychology of Religion, History of Religion, and Natural Theology); CHRISTIAN APOLOGETICS (including History of Christian Apologetics, and Special Apologetics).

Books which may be used for this class: Cave's *Introduction to Theology and its Literature*, or Davies' *Theological Encyclopaedia*; Galloway's *Philosophy of Religion*; Leuba's *Psychological Study of Religion*; Menzies' *History of Religion*, 4th ed.; Flint's *Theism and Antitheistic Theories*; Garvie's *Handbook of Christian Apologetics*, or Bruce's *Apologetics*.

Some lectures may be given on BIBLICAL THEOLOGY, for which the student is recommended to read Schultz's *Old Testament Theology*, and Stevens' *Theology of the New Testament*.

A short course may also be delivered on the FUNDAMENTAL DOCTRINES OF THE CHRISTIAN FAITH, for which the student may read Moule's *Outlines of Christian Doctrine* and Seeberg's *Fundamental Truths of the Christian Religion*.

II. SENIOR CLASS, 12 noon. This class is specially devoted to SYSTEMATIC THEOLOGY (Dogmatics and Ethics). The subjects which will be dealt with in session 1916-17 are as follows:



Christian Dogmatics: Doctrine of the Person of Christ.  
Doctrine of the Atonement. Theology of Ritschl.

Christian Ethics: Part II. (Practical Ethics).

BIBLICAL THEOLOGY and HISTORY OF DOCTRINE are dealt with in so far as they concern the special doctrines discussed.

Books which may be used in the Senior Class: Mackintosh, *Person of Christ*; Mozley, *Doctrine of the Atonement*; Edghill, *Faith and Fact, a Study of Ritschlianism*; Newman Smyth, *Christian Ethics*, Part II.

DISCOURSES.—The discourses or exercises required by the Church of Scotland are six in number. Of these, two are taken in the Senior Class of Divinity, viz., an English essay on some subject in Biblical Theology (by second-year students); and a popular sermon (by third-year students). These must be given in *on or before Dec. 1.*

BOOK FUND.—This Fund is available annually for the purchase of theological books by students of Divinity in their final session. Grants in aid are made to each student at the discretion of the Professor of Divinity. The annual income is derived from a bequest by the late Mrs. John Caird, and from other sources. Students must in every case purchase books indispensable to the work of the ministry.

### HEBREW AND SEMITIC LANGUAGES.

This Professorship was founded by Queen Anne, 1709, under the title Oriental Languages. It is now designated Hebrew and Semitic Languages, in accordance with Ordinance No. 31 of the Universities Commission (1889) of date 5th June, 1893. The Professor is appointed by the University Court. He is a member of the Faculty of Theology, and also, since 1893, of the Faculty of Arts.

#### *Professors.*

1709. Charles Morthland.	1820. Gavin Gibb, D.D.
1745. Alexander Dunlop, M.A.	1831. William Fleming, D.D.
1751. William Rouet.	1839. George Gray, D.D.
1753. George Muirhead.	1850. Duncan H. Weir, D.D.
1755. John Anderson, M.A.	1877. James Robertson, D.D.
1757. James Buchanan, M.A.	1907. WILLIAM B. STEVENSON,
1761. Robert Trail, D.D.	D.Litt.
1761. Patrick Cummin, LL.D.	

Hebrew and Arabic are included among the departments of study for graduation in Arts, and "Semitic Language and Literature" among those for graduation with Honours. Intensive courses will be provided by a combination of ordinary and honours classes. On this subject students should consult the Professor. Both Hebrew and Arabic are two-term subjects (*i.e.* attendance in the classes during the Theological session will qualify for graduation in Arts). But classes continue to meet in the summer term (see pp. 188-9).

The existing regulations of the Church of Scotland require all students of Divinity to give attendance on Hebrew for two sessions.

The following are the arrangements for session 1916-17 :—

I.—*Junior Hebrew Class*, meeting five days in the week at 10 A.M.<sup>1</sup> The course includes (1) Davidson's *Hebrew Grammar*, with the Exercises; (2) Readings from the easier books of Scripture; (3) Lectures on Old Testament Literature or Hebrew Archaeology.

Students presenting themselves for the Arts Preliminary Examination will be expected to know as much as is implied in the work of the Junior Hebrew Class, and will be examined in grammar, and in translation both from Hebrew into English and from English into Hebrew.

II.—*Senior Hebrew Class*, meeting five days in the week at 11 A.M., and two days at 9 A.M. The Course includes (1) Reading of Old Testament books, including some portions of those prescribed for the degrees of M.A. and B.D.; (2) Exercises in unpointed texts and translations into Hebrew; (3) Revisal and extended study of grammar, including syntax and accents; (4) Lectures on History and Introduction.

The Senior Hebrew is appointed as the qualifying class for graduation in Arts. During the summer term a continuation class, especially intended for B.D. students, will meet five days weekly, at 9 A.M., till the 8th of June.

III.—*Honours Hebrew Class*, meeting in winter three days weekly at 9 A.M. or some other convenient hour. The course includes lectures on the History and Literature of the Hebrews;

<sup>1</sup>Those who join this Class are expected to have done already an equivalent of Sections 1-30 in Davidson's *Grammar*. If a sufficient number of students present themselves an elementary class may be formed, meeting four or five times weekly, during the first term only.

reading of some of the books prescribed for the degree examinations; and written exercises in composition. During the summer term the Honours Class will meet five times weekly down to the 8th of June (qualifying half course). In it special attention will be given to post-Biblical Hebrew.

IV.—A class for *Syriac*, to meet two days in the week at 9 A.M., will be formed, if students offer. In the summer term a class, meeting four times a week, for the study of *advanced Syriac* or of *Comparative Semitic Philology* and *Aramaic*, including the Targums, Old Testament Aramaic, and the Aramaic of the Egyptian papyri, may also be formed.

V.—For *Arabic Classes* see below.

*Scholarships and Bursaries*—See note on p. 190.

## ARABIC LANGUAGE AND LITERATURE.

This Lectureship was instituted by the University Court in 1902.

*Lecturer*—THOMAS H. WEIR, B.D., M.R.A.S.

I.—An Elementary Class meets three days a week in winter and daily in summer at any hour that may be found suitable. The fee for this class is two guineas, but students who have obtained a class ticket for a graduating course in Hebrew attend free (see Inclusive Fees). If desired, a class will be formed for Persian.

II. *Ordinary Class*.—This class qualifies for graduation in Arts, and may be taken either in one full course or in two half courses. The subjects of study comprise the Korān, classical and modern prose and poetry, and the history of the Arabs and their literature. For text-books see p. 266.

III.—An *Intermediate Class* will be formed for students who take a double course in Arabic and are examined on a higher standard for the Ordinary Degree. See p. 266.

IV. *Honours Class*.—The subjects of study will be the Korān with commentary, the *Makamat* of Nasif al Yaziji, selections from the early poets and later prose-writers. For texts (some of which are in the Class Library) see p. 277.

V.—*Modern Arabic*.—Instruction will also be given, if required, in modern and colloquial Arabic. Text-book: Vollers, *Modern Egyptian Dialect of Arabic*.

VI. Arrangements will also be made so that those who desire to do so may attend lectures on the history and religion of Arabia, a knowledge of Arabic not being required.

NOTE.—*Semitic Languages are prescribed in the examinations for the Black Theological Fellowship (1918), the John Clark (Mile-end) Scholarship (1918, and 1920), and the Lanfine Bursary (1917).*

### ECCLESIASTICAL HISTORY.

The Professorship of Ecclesiastical History was founded by George I. (out of the revenues of the Archbishopric of Glasgow), in the year 1716, but no appointment was made to the Chair till the year 1720.<sup>1</sup> The Professor is appointed by the Crown.

#### Professors.

1721. William Anderson.	1841. Jas. Seaton Reid, D.D.
1752. William Rouet.	1851. Thos. T. Jackson, D.D.
1762. William Wight, D.D.	1874. William Lee, D.D.
1778. Hugh M'Leod, D.D.	1886. Robert Herbert Story,
1809. William M'Turk, D.D.	D.D., LL.D.
1898. JAMES COOPER, D.D., Hon. Litt.D., Trin. Coll., Dublin, D.C.L., Durham.	

The course extends over two sessions, and embraces two series of lectures as well as written examinations and essays. The Junior and Senior Classes meet at separate hours, the Junior from 12 noon to 1 P.M., the Senior from 11 A.M. to 12 noon.

The subjects treated in the Lectures during the two sessions will be:

I. JUNIOR CLASS.—The History of the Church Catholic from the Day of Pentecost to the close of the Fourth General Council. Books recommended—Mosheim, *Institutes of Ecclesi-*

<sup>1</sup> Ecclesiastical History had been previously taught as well as was practicable, and there are notices of its having been dealt with by Melville, Baillie, and others. The blind scholar, William Jameson, who had been appointed lecturer in "Civil and Ecclesiastical History" in 1692, devoted much attention to Church History, in which he was specially learned; and it has been suggested that the delay in appointing a professor was due to the wish not to disturb him in his old age. He died in 1720.

*astical History* (edited by Stubbs); the *Church Histories* of Moeller, Kurtz, Neander, Gieseler, Schaff, and Canon Robertson; Duchesne, *The Early History of the Church*; Harnack, *History of Dogma and Expansion of Christianity in the First Three Centuries* (trans. Moffatt); Briggs, *History of the Study of Theology*; Eusebius, *Ecclesiastical History* (ed. Bright, Oxford, 1881; *The Teaching of the Twelve*; *The Apostolic Fathers*; The Library of Ante-Nicene Fathers; Ramsay, *The Church in the Roman Empire before A.D. 170*, *S. Paul the Traveller and Roman Citizen*, and *The Letters to the Seven Churches*; Pullan, *History of Early Christianity*; Wordsworth, *The Ministry of Grace*; Puller, *The Primitive Saints and the See of Rome*; Rainy, *The Ancient Catholic Church*; Kelly, *A History of the Church of Christ*; Bright, *Waymarks of Church History* and *The Age of the Fathers*; Hefele, *History of the Church Councils*; Percival, *The Seven Oecumenical Councils* (the first Four); Newman, *Arians of the Fourth Century*; Gibbon, *The Decline and Fall of the Roman Empire* (ed. Bury); Hodgkin, *Italy and her Invaders*, vols. I. and II. P. Allard, *Histoire de persécutions* and *Le Christianisme et l'empire romain de Néron à Théodose*.

II. SENIOR CLASS.—(1) The History of the Church of Scotland; (2) The History of the Church of England; (3) Some Important Epochs in the History of the Church. (N.B.—The special subject taken up—on Fridays—in Session 1916-17 will be the Ecclesiastical History of Europe from the Restoration of Charles II. (1660) to the death of Louis XIV. (1715). The special subject for Session 1917-18 will be the Ecclesiastical History of Europe from the death of Louis XIV. (1715) to the Accession of George III. (1760).

Books recommended—Grub, Cunningham, Stephen, and Macewan on the Ecclesiastical History of Scotland; Skene, *Celtic Scotland*; Dowden, *The Celtic Church in Scotland* and *The Mediaeval Church in Scotland*; Macgregor, *Saint Columba*; Adamnan, *Saint Columba* (tr. Huyshe); The Chronicles of the Picts and Scots; the series "The Historians of Scotland"; Rait, *The Making of Scotland*; W. M. Mackenzie, *Outline of Scottish History*; *Statuta Ecclesiae Scoticanæ*; *Booke of the Universal Kirk of Scotland* (4 vol. edition); John Knox, *History of the Reformation in Scotland* (ed. Laing); Spottis-

wood; Calderwood; Baillie; Cook; Mc'Orie, *Knox*; William Robertson, *History of Scotland*; Hume Brown, *History of Scotland* and *John Knox*; Diary of Sir Archibald Johnston of Wariston; Macmillan, *The Aberdeen Doctors*; Peterkin, *Records of the Kirk of Scotland from 1638*; Acts of the Scots Parliament; Andrew Lang, *History of Scotland*; W. L. Mathieson, *Politics and Religion in Scotland, 1550-1695*; Acts of the General Assembly 1690-1715; Cooper, *Confessions of Faith and Formulas*; Haddan and Stubbs, *Councils of Great Britain and Ireland*; Wilkins, *Concilia Magnae Britanniae*; Bede, *Ecclesiastical History of England*; Fuller, *Church History of Britain*; Walton's *Lives*; Collier, *Ecclesiastical History of Great Britain*; Abbey and Overton, *English Church in the Eighteenth Century*; J. R. Stoughton, *Religion in England*; Stubbs, *Constitutional History of England*; Hume, Lingard, Macaulay, Froude, and S. R. Gardiner, *Histories of England*; Wakeman, *History of the Church of England*; A History of the English Church, edited by Stephens and Hunt; Dixon, *History of the Church of England*; Carlyle, *Cromwell*; Clarendon; Burnet, *History of the Reformation*; and the books recommended for those studying for the Degree of B.D.

A written examination of the Senior Class (session 1916-1917) will be held not later than 30th Nov., 1916, on Venerable Bede's *Ecclesiastical History of England* and S. Adamnan's *Saint Columba* (which may be read in translations), for which marks up to 100 may be obtained. The marks obtained both for the Essay (up to 100, according to merit) and for this examination will count for the Prize List.

The subjects for Essays to be given in by 1st January, 1917, are: (1) Leibnitz, and projects for Church Reunion; (2) Bossuet; (3) The Jansenists; (4) The English Act of Uniformity, 1662; (5) Bishop Kerr; (6) Archbishop Leighton; (7) The Restoration of Presbyterian Doctrine, Worship, and Government in the Church of Scotland; and (8) The Ecclesiastical History and Ecclesiology of any Scottish parish in which the student has resided.

The subjects for Essays to be given in not later than 1st January, 1918, are: (1) Arianism in England and Scotland, 1660-1760; (2) Bishop Butler; (3) Massillon as a Preacher; (4) Frederick the Great and Voltaire; (5) The Ecclesiastical Writings of Swift; (6) Early Methodism—till 1760; and (7)

The Ecclesiastical History and Ecclesiology of any Scottish parish in which the student has resided.

*N.B.*—Students who are Masters of Arts should make it a point of duty to take the higher degree of B.D. ; and they are recommended to write their essay on one of the first six subjects above mentioned. No. 7 is specially for students who are not graduates. The Mackenzie Prize for Church History should be noted. The subject (Archbishop Leighton) falls within the period for session 1916-17.

### *DIVINITY AND BIBLICAL CRITICISM.*

This Professorship was founded by ordinance of the Universities Commission (1858) of date 25th November, 1861. The Professor is appointed by the Crown.

#### *Professors.*

1863. William P. Dickson, D.D.

1873. William Stewart, D.D.

1910. GEORGE MILLIGAN, D.D.

The class will hereafter be divided into two divisions—a Junior and a Senior, and as the course of lectures is arranged to extend over two sessions, the class should be attended in two *consecutive* years. It is usually taken in the second and third years of the Divinity course. For due performance of the work of the class a knowledge of Greek, at least of New Testament Greek, is indispensable.

I. The two divisions will meet together on Mondays and Fridays at 10 A.M. During Session 1916-17 the Lectures on these days will deal with (a) General Introduction to the Gospels and Acts, and (b) Text and Canon of the New Testament.

II. On Tuesdays, Wednesdays, and Thursdays, the Senior Division will meet at 9 A.M. Subjects of Study : The Text and Exegesis of the First Epistle to the Corinthians xi.-xvi., and of the Epistle to the Hebrews ; Selections from the Septuagint, and from early Greek Christian writings.

III. On Tuesdays, Wednesdays, and Thursdays, the Junior Division will meet at 10 A.M. Subjects of Study : The Language and Grammar of the New Testament ; Text and Exegesis of the Gospel according to S. Mark, and of the First Epistles of S. Peter and S. John.

IV. Special arrangements will be made for more advanced work in connection with the Greek Papyri, etc., if desired.

#### IV.—*ENDOWED DEMONSTRATORSHIPS, ETC.*

##### THE ARNOTT AND THOMSON DEMONSTRATORSHIP IN EXPERIMENTAL PHYSICS.

This Demonstratorship was founded in 1875 by the liberality of Sir William Thomson and Mrs. Arnott, widow of Dr. Neil Arnott, founder of the Arnott Prizes, who invested respectively £2,000 and £1,000 for the purpose of encouraging the study of Experimental Physics in the University of Glasgow. The Demonstratorship is in connection with the Physical Laboratory of the University. The holder is appointed annually by the Professor of Natural Philosophy, subject to the approval of the University Court, and his duties are to perform, and direct in the performance of, experimental researches in the Physical Laboratory, in connection with, and under the direction of, the Professor of Natural Philosophy, to give practical laboratory courses suitable for Medical and Engineering students, and to take part in the teaching of the Natural Philosophy Class, if required by the Professor, and in such way and at such times as may be appointed by the Senatus Academicus of the University.

##### *Demonstrators.*

- 1875. James Thomson Bottomley, M.A., D.Sc., F.R.S.
- 1899. James W. Peck, M.A.
- 1903. James Muir, D.Sc., M.A.
- 1906. James G. Gray, B.Sc.
- 1908. GEORGE E. ALLAN, D.Sc.

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##### THE MUIRHEAD DEMONSTRATORSHIP OF PHYSIOLOGY.

In January, 1877, the late Dr. Henry Muirhead of Longdales, Bothwell Parish, and afterwards of Cambuslang, presented to the University the sum of £2,100, and in November, 1879, a further sum of £400, to endow a Demonstratorship of Physiology in connection with the Chair of Institutes of Medicine—the main object being the promotion of medical science by the training of young men of suitable capacity to become teachers and investigators of Physiology. The regulations with reference to the appointment are as follows:—

1. That the title of the appointment be “The Muirhead Demonstrator of Physiology.”



2. That the holder of the office shall act as an assistant to the Professor of Institutes of Medicine in teaching the classes of Systematic and Practical Physiology and in original investigation.

3. That he shall also be expected and encouraged to engage in independent scientific investigation under the direction of the Professor.

4. That he will not be entitled to conduct any class on his own account without the consent of the Professor.

5. That the incumbent will be expected to devote his entire time to the duties of the appointment.

6. That the appointment be made annually by the Senatus Academicus, with the consent of the University Court, on the recommendation of the Professor of the Institutes of Medicine, who shall furnish evidence to the Senatus of the suitability of the person recommended by him.

*Present Demonstrator.*

DAVID BURNS, M.A., B.Sc.

#### GRIEVE LECTURESHIP ON PHYSIOLOGICAL CHEMISTRY.

The late John Grieve, M.A., M.D., who died at Glasgow on 16th April, 1896, directed his Trustees to hand over to the University the sum of £8000 (less legacy duty) for the foundation of a Lectureship on some subject selected by them after consultation with certain Professors. The subject selected was Physiological Chemistry, and the following scheme prepared by the Senate was approved by the University Court on 9th February, 1905.

1. The bequest of the late Dr. John Grieve shall be applied to the foundation of a Lectureship on Physiological Chemistry in the University of Glasgow, to be called the "Grieve Lectureship on Physiological Chemistry."

2. The capital sum of the bequest shall be invested by the University Court, and the annual revenue shall be the salary of the holder of the lectureship for the time being.

3. The appointment to the lectureship shall be made by the University Court.

4. The appointment shall be for a term of five years, but the lecturer may be re-elected in the discretion of the University Court.

5. The lectureship shall be in connection with the Physiological Department of the University, and accommodation for

the lecturer shall be provided in that Department by arrangement with the Professor of Physiology.

6. The lecturer shall not engage in medical or surgical practice during his tenure of office.

7. The duties of the Lecturer shall be as follows :

(1) He shall deliver annually such a course of lectures or give such demonstrations in Physiological Chemistry, on the more advanced aspects of the subject, in its relation to the phenomena of Plant and Animal life, as may from time to time be arranged by the Senate, with the approval of the University Court.

(2) He shall take charge of the laboratory for Physiological Chemistry in the Physiological Department of the new buildings, under the control of the Professor, in terms of Ordinance No. 17, General No. 10 ; he shall supervise the chemical work of students of physiology preparing for the degree of Bachelor of Science ; and generally he shall give assistance to students or others who may be engaged in researches in Physiological Chemistry.

(3) He shall make arrangements, under the control of the Professor, for the teaching of elementary Physiological Chemistry to students of science and medicine, in terms of the above Ordinance.

(4) He shall prosecute original research in Physiological Chemistry.

*Lecturer.*—1905. EDWARD P. CATHCART, M.D., D.Sc.  
1915. (Vacant.)

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#### THE DR. ROBERT POLLOK LECTURESHIP IN MATERIA MEDICA AND PHARMACOLOGY.

Dr. Robert Pollok, who graduated at Glasgow University in 1876, and who resided in Pollokshields, bequeathed to the University a legacy of £10,000 (received in 1914) for the purpose of founding this Lectureship for Research in Materia Medica and Pharmacology.

*Lecturer.*—1914. WALTER J. DILLING, M.B., Ch.B.

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#### THE WILLIAM WEIR ASSISTANTSHIP IN MATERIA MEDICA.

The late Mr. William Weir, of Kildonan, bequeathed a sum of £5,000 to the University Court to the end that the income

of the same should be applied in providing an Assistant to the Professor of Materia Medica in addition to the Assistants appointed by the University Court. The amount of the legacy was received from Mr. Weir's Trustees in 1914.

*Assistant.*—1914. GEORGE H. CLARK, M.D., D.P.H.

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#### THE WILLIAM BAXTER DEMONSTRATORSHIP IN GEOLOGY.

This Demonstratorship was founded by the Trust Disposition and Settlement of Mr. William Baxter, Hillhead, Glasgow, who died on 20th November, 1888, and bequeathed to the Senate the sum of £2,500, free of legacy duty, the annual income of which, less the cost of management, he directed should be paid half-yearly to the Demonstrator on the joint certificate of the Clerk of Senate and the teacher of Geology for the time being. The Senate are the patrons of the Demonstratorship.

The following Regulations having been drawn by the Senate, were approved by the University Court on 16th June, 1908:—

1. The Demonstratorship shall be held for three years, and shall be open to the candidate who during the period intervening since the preceding appointment was made shall have passed the Degree of B.Sc. with special distinction in Geology, in the Final Science Examination, or, in the event of several candidates obtaining such special distinction, to the candidate whose aggregate marks for the whole subjects of the said degree are the highest; but in the event of no candidate attaining to special distinction in Geology in the Final Science Examination, the Senate may, if they see fit, award the Demonstratorship to the candidate who shall stand highest in the list, but any candidate who fails to obtain at least 60 per cent. of marks in the Department of Geology shall *eo ipso* be disqualified to hold the Demonstratorship.

2. The three years' tenure of office shall be subject to the condition that the incumbent discharges the duties of the office to the satisfaction of the Senate, who have power "to deprive any Demonstrator of his stipend, or a part thereof, should they at any time become dissatisfied with his conduct or his ability to carry out the duties of his office, or with the discharge of his duties, or for any other reason they may consider sufficient," the Demonstrator having the right of appeal to the University Court in the event of such deprivation.

3. The duties of the Demonstrator shall be :—

(1) To act as Demonstrator in the laboratory classes of the Geological School of the University.

(2) To assist in the field work of the Geological School of the University, and to collect geological materials for the University Collection.

(3) To give at least two evening lectures or demonstrations to members of the Geological Society of Glasgow during each winter session of his Demonstratorship.

(4) To devote during the session three hours a day on such days as there are not excursions or laboratory classes to the arrangement of the Geological Museum and teaching collections, or, should the Professor of Geology prefer, to undertake research work on material in the Hunterian Museum or on any subject connected with West Scottish Geology approved by the Professor of Geology, and to give a course of lectures or other teaching in the summer session.

4. These lectures may be attended (*a*) by matriculated students of Geology, free ; (*b*) by any matriculated student not a member of the class of Geology, on payment to the Demonstrator of a fee of £1 ls. for each course, or such higher fee as the University Court may fix ; (*c*) by any member of the Geological Society of Glasgow on payment of five shillings in lieu of matriculation fee for the winter or summer session, in addition to the authorized class fee.

5. In the event of no appointment being made, or of the Demonstrator resigning, retiring, or being deprived, the revenue accruing during the period of vacancy shall be added to the capital, and the annual income thereof to the stipend payable to the Demonstrators.

*Demonstrator.*

1914. JOHN V. HARRISON, B.Sc.

WALTONIAN MEDICAL LECTURESHIP.

This Lectureship was founded in 1788 by the Rev. Dr. William Walton, Rector of Upton, in the County of Huntingdon, who bequeathed to the Senate for its support the sum of £1000, increased by subsequent accumulations to

£2850. The lecturer is required to take for his subject that branch of Medicine or Science connected with Medicine which may be assigned to him by the Governing Body of the University. From 1792 a salary was provided out of the Walton Fund for a lecturer on Midwifery till 1815, when the Chair of Midwifery was founded. From 1816 provision was made in like manner for the teaching of *Materia Medica* till a Chair in that subject was founded in 1831. After 1831 the lectureship was devoted to the subject of Ophthalmology, but, on the resignation of Dr. Thomas Reid in the end of 1900, the University Court resolved to devote the proceeds of the Foundation to the teaching of some other subject. In 1908 the Carnegie Trust provided £2500 towards the endowment of a Lectureship in Organic Chemistry, and the University Court conjoined with the income of this endowment the revenue of the Waltonian Fund. Hence the holder of both is styled the Waltonian Lecturer and Lecturer on Organic Chemistry.

*Lecturers.*

*Midwifery*—1792-1815. James Towers, C.M.

*Materia Medica*—1816-1831. Richard Millar, M.D.

*Ophthalmology*—1831-1868. William M'Kenzie, M.D.

*Ophthalmology*—1871-1900. Thomas Reid, M.D., LL.D.

*Organic Chemistry*—1908. Thomas S. Patterson, Ph.D., D.Sc.

GIFFORD LECTURESHIP ON NATURAL THEOLOGY.

This Lectureship, as well as similar Lectureships in the other Scottish Universities, was founded in 1887 in accordance with the Trust Disposition and Settlement of the late Adam Gifford, sometime one of the Senators of the College of Justice, Scotland. Lord Gifford directed his Trustees to pay over to the Senatus Academicus of the University of Glasgow the sum of Twenty Thousand Pounds for the purpose of establishing a Lectureship or Popular Chair for promoting, advancing, and diffusing the study of Natural Theology, in the widest sense of that term—in other words, “the Knowledge of God, the Infinite, the All, the First and Only Cause, the One and the Sole Substance, the Sole Being, the Sole Reality, and the Sole Existence, the Knowledge of his Nature and Attributes, the Knowledge of the Relations which men and the whole universe

bear to Him, the Knowledge of the Nature and Foundation of Ethics or Morals, and of all Obligations and Duties thence arising." The Senate are the Patrons. The Lecturer is appointed for a period of two years and no longer, but the same Lecturer may be reappointed for other two periods of two years each, provided that no one person shall hold the office of Lecturer in this University for more than six years in all. The Lecturer is subjected to no test of any kind, and he is not required to take any oath, or to emit or subscribe any declaration of belief, or to make any promise of any kind. The Founder expressed a wish that the subject should be treated as a strictly natural science, like astronomy or chemistry. Matri-culated students and others may attend the Lectures.

- 1888. Professor Max Müller.
- 1892. Principal Caird, D.D., LL.D.
- 1893. Professor William Wallace, M.A.
- 1895. Principal Caird, D.D., LL.D.
- 1896. Professor Alexander B. Bruce, D.D.
- 1900. Edward Caird, D.C.L., LL.D., Master of Balliol.
- 1903. Professor Émile Boutroux.
- 1906. Professor A. C. Bradley, LL.D.
- 1910. Professor John Watson, M.A., LL.D.
- 1913. The Right Hon. A. J. Balfour, M.P.
- 1916. PROFESSOR SAMUEL ALEXANDER, LL.D., F.B.A.

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#### ALEXANDER ROBERTSON LECTURESHIP.

The Rev. Alexander Robertson, a probationer of the Free Church of Scotland, who died at Glasgow on 3rd August, 1899, left the residue of his estate, amounting to £2500, for the endowment of a Lectureship in defence of the Christian Religion. The regulations drawn up by his Trustees—the late Mr. James Lymburn, Librarian to the University, and the late Rev. James B. Dalgety, Paisley—received the sanction of the University Court on 14th November, 1901, and are as follows:

1. The Lectureship shall be called the Alexander Robertson Lectures.
2. The course shall be held not oftener than once in every two years, and shall consist of not fewer than five lectures.

3. Out of the revenue of the Lectureship Fund the lecturer shall be paid the sum of £100 when the lectures have been delivered, and a further sum of £50, provided he shall have published his lectures within one year of their delivery, and shall have furnished to the Library of the University of Glasgow fifty copies for distribution.

4. The Lecturer shall be appointed by the University Court on the nomination of a Committee consisting of the Principal of the University and of the Professors in the Faculty of Theology; and it shall be in the power of the Committee to nominate, if they see fit, a member of the Faculty of Theology.

5. It shall be the duty of the Court, at least twelve months before the income of the Lectureship Fund shall have reached the sum necessary to pay the remuneration of the Lecturer and the grant for publication of the lectures, to send intimation to that effect to the Dean of the Faculty of Theology, and should the aforesaid Committee fail to nominate any one within six months after receiving the said intimation, it shall be in the power of the Court to proceed of itself to the selection and appointment of a Lecturer.

6. The lectures shall be delivered at such times and in such place or places as the said Committee may appoint. Admission to the course shall not be restricted to matriculated students, but shall be freely open to the general public.

7. All surplus revenue and any balance accruing from the non-publication of the lectures or otherwise shall be added to the capital fund of the Lectureship. But should at any time the biennial income of the fund reach a larger sum than £150, two-thirds of the balance over that amount shall go to augment the emolument of the Lecturer, and one-third to increase the grant for the publication of the lectures.

*Lecturers.*

- 1904. John Morrison, D.D.
- 1906. Ernest F. Scott, M.A.
- 1908. Andrew Miller, M.A.
- 1910. James Moffatt, M.A., D.Litt., D.D.
- 1912. Rev. Henry J. Wotherspoon, M.A.
- 1914. Rev. J. E. H. Thomson, D.D.
- 1916. REV. T. H. WEIR, B.D., M.R.A.S.

## GRAHAM YOUNG LECTURESHIP IN METALLURGICAL CHEMISTRY.

In 1899 the University Court instituted a Lectureship in Metallurgical Chemistry, and in 1908 the Trustees of the late T. Graham Young, Esq., provided £5000 for its endowment.

*Lecturers.*

- 1899. William Carrick Anderson, M.A., D.Sc.
  - 1905. Charles Edward Fawsitt, Ph.D., D.Sc.
  - 1908. CECIL H. DESCH, D.Sc., Ph.D.
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## THE HASTIE LECTURESHIP.

The friends of the late Rev. William Hastie, D.D., Professor of Divinity in the University, having subscribed the sum of £1000 to perpetuate his memory, resolved on 24th November, 1905, that the fund should be vested in six Trustees, divided into three official and three elected Trustees. The official Trustees are the Principal, the Dean of the Faculty of Theology, and the Professor of Divinity. Should the Professor of Divinity be also Dean, then the third official Trustee is a Professor in the Faculty of Theology, nominated by the Faculty. The other Trustees were elected by the donors from amongst themselves. In certain contingencies vacancies in the elected Trustees are filled up by the Presbytery of Glasgow and the Senate alternately. The subscribers further resolved that a Lectureship to be called the Hastie Lectureship should be founded, its object being to encourage the study of Theology amongst the Ministers of the Church of Scotland. The Lecturer is appointed by the Trustees and holds office for three years, delivering not less than four or more than six lectures, in Glasgow University or elsewhere as the Trustees may determine. Admission to the lectures is free to all. The Lecturer receives the free proceeds of the Fund, and he is bound to publish at least 500 copies of his lectures at his own expense and to present to the Trustees ten copies for distribution.

*Lecturers.*

- 1906. Rev. Donald M'Millan, D.D.
- 1909. Rev. James H. Mackay, M.A.
- 1912. Rev. Wm. S. Provand, M.A.
- 1915. REV. THOMAS WILSON, B.D.



*V.—WOMEN'S DEPARTMENT.**QUEEN MARGARET COLLEGE.*

In February, 1892, the Universities Commission issued an Ordinance (No. 18), empowering the Scottish University Courts to make provision within the Universities for the instruction of women, either by admitting them to the ordinary classes, or by instituting separate classes for their instruction. The Council of Queen Margaret College, having considered the provisions of this ordinance, came to the conclusion that the purpose for which the College had been instituted would be best served by making over their work to the University of Glasgow. They accordingly, with the concurrence of the late Mrs. Elder, the proprietrix of the buildings and grounds hitherto occupied by the College, offered to transfer to the University Court these buildings and grounds, and the endowments (present and prospective), on condition that these should be devoted to the establishment and maintenance of University Classes for women exclusively. The University Court, after consultation with the Senate, having resolved to exercise the power conferred by Ordinance No. 18, and to provide University instruction for women mainly by the institution of separate classes, agreed to accept the offer made by Queen Margaret College, and remitted to a Committee to take the necessary steps for completing the transfer. In virtue of this arrangement the teachers in Queen Margaret College were appointed by the University Court, and the students in session 1892-3 were admitted matriculated students of the University. In 1893 the College was dissolved, and the funds were handed over to the University Court, but the name "Queen Margaret College" survives as designating in particular the part of the University buildings and grounds which is devoted exclusively to the education of women, and in general the Women's Department of the University of Glasgow.

ALL women students are required to matriculate and to pay their Class Fees and Examination Fees at Queen Margaret College.

The classes in Queen Margaret College will meet as follows:

NOTE.—For information as to the periods of teaching in the several Faculties and for full list of classes, see pp. 65-76.

Unless otherwise stated, the Classes in the subjoined list meet in the buildings of Queen Margaret College.

## I.—ARTS.

Classes.	Hours.	Class Fees.	
<i>Latin</i> , . . . . .	10.45 a.m. or 3 p.m.,	£4 4	} PROF. PHILLIMORE, and Assistants.
———, <i>Prosc</i> (one day weekly in each class),	. . . . .	1 11	
*———, <i>Roman Britain</i> {	(at the University, 9 to 10 once weekly),	1 11	} Mr. S. N. Miller.
<i>English Language and Literature</i> , {	. 3 p.m., . . . . .	4 4	
<i>French Language and Literature</i> , {	. 12 noon, . . . . .	4 4	} PROF. DIXON and Mr. John S. Smart.
<i>German<sup>2</sup> Language and Literature</i> , {	. 11.15 a.m., . . . . .	4 4	
<i>German<sup>2</sup></i> (at the University),	. 10 a.m., . . . . .	4 4	} M. Charles Martin and Assistants.
* <i>Logic</i> , <sup>3</sup> . . . . .	. 12.15 p.m., . . . . .	4 4	
<i>Logic</i> <sup>3</sup> (at the University),	. 9 a.m., . . . . .	4 4	} Dr. Herbert Smith and Herr Broecker.
<i>Mathematics</i> , . . . . .	{ 8.45 a.m., . . . . . 2 p.m., . . . . .	4 4 4 4	
<i>Chemistry</i> , . . . . .	. 12 noon, . . . . .	4 4	} Mr. W. Anderson. PROF. LATTA.
<i>Chemical Laboratory</i> {	9 a.m. to 1 p.m., } (in winter), { and 2 p.m. to 5 p.m., }	5 5 or 10 10	
			} PROF. GIBSON and Assistants.
			} Dr. H. W. Bolam.

## II.—MEDICINE.

### WINTER SESSION, 1916-17.

Classes.	Hours.	Class Fees.	
<i>Chemistry</i> , . . . . .	12 noon, . . . . .	£4 4	} Dr. H. W. Bolam.
<i>Chemical Laboratory</i> , {	9 a.m. to 1 p.m., } { and 2 p.m. to 5 p.m., }	5 5 or 10 10	
<i>Practical Chemistry</i> (before Christmas),	10.15 a.m. <sup>5</sup>	5 5	
——— (after Christmas),	9 a.m. <sup>5</sup>	5 5	
<i>Anatomy</i> (First Course), Jan.-Mar.,	11 a.m., . . . . .	2 2	} Mr. W. K. Hutton and Demonstrator.
——— (Second Course), Oct.-Dec.,	11.30 a.m., . . . . .	2 2	
——— (Special Demonstrations, 3 p.m., three days weekly),	. . . . .	6 6	
——— <i>Practical</i> (Oct.-Mar.),	9 a.m. to 5 p.m., . . . . .	6 6	
——— " (Oct.-Dec. or Jan.-Mar.),	. . . . .	3 3	} 6
<i>Practical Anatomy</i> (Old Mcd. Ord.),	9 a.m. to 5 p.m.,	4 4	

1 Payable only by students not enrolled for "Latin" (£4 4s.).

2 Women students may select either class of German.

3 Women students may select either class of Logic.

4 Fee for a second or subsequent session, £3 3s.

5 Tuesday, Wednesday, Thursday.

6 This fee includes all charges.

7 Students who have taken two winters and two summers of Practical Anatomy, as well as the Junior and Senior Lecture Courses, may afterwards enrol in Practical Anatomy at £1 1s.

SUMMER SESSION, 1917.

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	
<i>Practical Anatomy (Old Med. Ord.),</i>	9 a.m. to 5 p.m.,	£2 12 6 <sup>1 2</sup>	} Mr. W. K. Hutton and Demonstrator.
<i>Practical Anatomy (New Medical Ordinance),</i>	9 a.m. to 5 p.m.,	3 3 <sup>2</sup>	
<i>Embryology,</i>	{ 11 a.m., Mon., Tues., Wed., Thurs., }	2 2	
<i>Do.</i> (if taken with Practical Anatomy),		1 1	

<sup>1</sup> Students who have taken two winters and two summers of Practical Anatomy, as well as the Junior and Senior Lecture Courses, may afterwards enrol in Practical Anatomy at £1 1s.

<sup>2</sup> This fee includes all charges.

HOSPITALS.—Royal Infirmary: (a) For Infirmary Attendance, Dispensary, etc.—Perpetual Ticket, £7 (or two payments of £3 10s.); six months, £2 2s.; three months, £1 1s. (b) For Clinical Lectures—six months, £3 10s.; three months, £1 15s. Royal Hospital for Sick Children—twelve months, £1 1s. Glasgow Maternity Hospital—£3 3s. Belvidere and Ruchill Fever Hospitals, £1 1s.

## VI.—SPECIAL STUDY AND RESEARCH.

In Ordinance No. 61, the Universities Commission (1889) made the following regulations for the encouragement of special study and research, and for the appointment of Research Fellows:—

I. It shall be in the power of the Senatus Academicus in each University, with the approval of the University Court, to make regulations under which graduates of Scottish Universities or of other Universities recognised by the University Court for the purposes of this ordinance, or other persons who have given satisfactory proof of general education and of fitness to engage in some special study or research, may be admitted to prosecute such study or research in the University [or in a College affiliated thereto<sup>1</sup>].

II. It shall be the duty of the Senatus Academicus in each University—(1) To receive and decide upon all applications for admission to prosecute special study or research; (2) To prepare a list of all persons so admitted (hereinafter referred to as Research Students); (3) To make regulations for the supervision of their work; (4) To satisfy themselves from time to time that the Research Students are carrying on their work in the University [or in a College affiliated thereto] in a satisfactory manner; (5) To suspend or exclude from any course any student whose conduct or progress is unsatisfactory.

<sup>1</sup> Taken from U.C. Ord. No. XXXIX.

III. Every applicant for admission must send in to the Senatus Academicus a written application stating any degree or other distinction which he has already obtained, the line of study or research which he wishes to prosecute and the probable period of its duration, together with evidence as to his character, capacity, and general qualifications.

IV. Any application for admission shall be in the first instance referred by the Senatus Academicus to the appropriate Faculty, or to a Committee appointed by the Senatus; one member of the Committee shall always be a Professor or Lecturer within whose department the proposed line of study or research falls. No applicant shall be recommended by the Faculty or the Committee who has not satisfied them by examination or otherwise that he is qualified to prosecute the proposed line of study or research, and further—(a) That his proposed line of study or research is a fit and proper one; (b) That he possesses a good general education; (c) That he is of good character; (d) That he proposes to prosecute his studies or research during a period to be approved by the Senatus Academicus. The Faculty or the Committee shall make a report to the Senatus Academicus upon each application. It shall also be their duty, subject to the regulations of the Senatus Academicus, to provide for the supervision of the Research Student's work, and to report at least once a year to the Senatus as to his progress and conduct. The Senatus shall then determine whether he shall remain a Research Student.

V. Every Research Student shall be required to matriculate each year, paying the ordinary fee.

VI. Research Students shall have access to and the use of the University Laboratories and Museums, under such conditions as to payment and otherwise as the University Court, after consultation with the Senatus Academicus, may determine.

Under this section the following regulations have been made:—1. In each laboratory each Research Student shall make payment of a sum which is estimated by the Professor as sufficient to cover the ordinary expenses incident to the Research Student's work. Apparatus and material beyond what is included in the ordinary operations of the laboratory shall be charged to the Student, unless the Professor judges that such apparatus and material will be a useful addition to the labora-

tory. But it shall be in the power of each Professor to propose to the University Court in any particular case that these payments may be remitted in whole or in part. 2. In all matters of discipline the Research Student shall be under the control of the Professor in whose laboratory he works. 3. All papers arising out of work done in a laboratory shall be submitted to the Professor before publication, and in all such publications a due recognition of the laboratory shall be inserted.

VII. The title of Research Fellow may be conferred by the Senatus Academicus, with the approval of the University Court, on Research Students who have shown special distinction. Such title shall not of itself confer any right to stipend, but it shall be in the power of the University Court to provide a stipend of such amount and for such period as it may think fit to any Research Fellow under the powers of Ordinance No. 25, Section XI., sub-section 8.

- VIII. (1) The Research Fellows shall be appointed as aforesaid after consideration of the report or reports submitted in terms of Section IV. hereof.
- (2) The title of Research Fellow may be conferred either at the commencement of the Research Student's course of study or research, or at any time during its progress, as the Senatus Academicus may determine.
- (3) Research Fellows shall retain their title and stipend, if any, for the period during which they are engaged in special study or research in the University, and no longer.
- (4) Research Students who have been appointed Research Fellows shall continue to be subject to the conditions above prescribed as to the supervision of their work and the reports to be made thereon.

IX. Nothing herein contained shall prejudice the right of Research Students to such Fellowships, Scholarships, or Prizes as may be open to them by Ordinance or Deed of Foundation.

X. The University Court may, subject to the provisions of Ordinance No. 25, Section XI., sub-section 8, provide such sums as it may think fit in aid of the expenses of special study or research.

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RESEARCH STUDENTS, 1915-16.

Waldo H. Dunn, M.A. (Yale); John Donald, M.D., C.M.; George S. Cruikshanks, Ph.D. (Leipzig); Gabriel H. Malan,

M.A. (Cape); James Scobie; Solomon English, B.Sc. (Sheffield), M.Sc. (Sheffield); Archibald N. M'Lellan, M.B., C.M.; Takehiko Hattori; Louis P. W. Renouf, B.A. (Hons.) Nat. Sc. (Cambridge); Alexander M. Williams, M.A. (Hons.) (Aberdeen); William Owen, B.A. Hon. (Wales), M.A. (Wales); Ieuan A. Jones, B.A. Hon. (Wales), M.A. (Wales); William S. Brownlee, B.D.; Margaret W. Jepps; Elizabeth J. Leonard, B.Sc. (Nat. Univ. of Ireland), M.Sc. (Nat. Univ. of Ireland); William Thomson, B.A. (Lond.).

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SPECIAL TEACHING AND STUDY BY SCHOLARS AND  
FELLOWS IN 1915-16.<sup>1</sup>

(Short Courses of Lectures, Study or Research in prescribed subjects, Tutorial work and assistance with the written work of the various Departments.)

Patrick M'Glynn, M.A., *G. A. Clark Scholar* (Classics); Alex. Macbeath, M.A., and Alex. White, M.A., *G. A. Clark Scholars* (Philosophy); William Arthur, M.A., *G. A. Clark Scholar* (Math. and Nat. Phil.); John T. Brown, M.A., B.Sc., *Eglinton Fellow* (Math. and Nat. Phil.); John Falconer, M.A., *Ewing Fellow* (English Literature); James Crawford, M.A., *Ewing Fellow* (Math. and Nat. Phil.); John A. Muir, M.A., *Ewing Fellow* (Classics); Henry Crow, M.A., *Scott Scholar* (English Literature); James H. Filshie, M.A., *Metcalf Fellow* (Math. and Nat. Phil.); James Phemister, M.A., B.Sc.; *James Ferguson Bursar* (Math. and Nat. Phil.); John Macleod, M.A., *James Ferguson Bursar* (Philosophy).

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## VII.—THE CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND.

This Trust was created by Mr. Andrew Carnegie of New York, and of Skibo in the County of Sutherland. By a trust-deed dated 7th June, 1901, Mr. Carnegie conveyed to Trustees \$10,000,000 Bonds by the United States Steel Corporation, bearing interest at 5 per cent., and directed that one-half of the net income should be applied towards the improvement and expansion of the Universities of Scotland in the Faculties of

<sup>1</sup> Much of this work was suspended on account of the war.

Science and Medicine, also for improving and extending the opportunities for scientific study and research, and for increasing the facilities for acquiring a knowledge of History, Economics, English Literature, and Modern Languages, and such other subjects cognate to a technical or commercial education as can be brought within the scope of the University curriculum, by the erection and maintenance of buildings, laboratories, class-rooms, museums or libraries, the providing of efficient apparatus, books, and equipment, the institution and endowment of Professorships and Lectureships, including post-graduate Lectureships and Scholarships, more especially Scholarships for the purpose of encouraging research, or in such other manner as the Executive Committee of the Trustees might from time to time decide.

It is directed that the other half of the income, or such part thereof as in each year may be found requisite, shall be devoted to the payment of the whole or part of the ordinary class fees exigible by the Universities from students of Scottish birth or extraction, and of 16 years of age or upwards, or scholars who have given two years' attendance after the age of 14 years at such schools and institutions in Scotland as are under inspection by the Scotch Education Department. They must have passed the examination qualifying for admission to the classes for which payment of fees is to be made by the Trust. Applications for the payment of fees must be made in the form prescribed by the Committee. The decision of the Committee in all questions of qualification shall be final, and the fees of all applicants declared to be eligible shall in each case be paid by the Committee as they become due to the factors or authorised officers of the Universities. The Committee shall also have power to withhold payment of fees from any student who is guilty of misconduct, or who fails within a reasonable time to pass the ordinary examinations of the University or any of them. Any surplus remaining in any year from the income applicable to this head of expenditure shall be applied to the first head of expenditure. Extra-mural Colleges, Schools, or classes in Scotland, attendance at which is recognised as qualifying or assisting to qualify for graduation shall, on application, be entitled to participate under the first head of expenditure to such an extent as the Committee may from time to time determine, and the students thereof shall be

admitted to the privileges of the second half. In the case of schools or institutions in Scotland established to provide technical or commercial education, the Committee may recognise classes which, though outside the present range of the University curriculum, can be accepted as doing work of a University level, and may allow them and the students thereof to participate under both heads of expenditure to such an extent as the Committee may from time to time determine.

Any surplus income which may remain after satisfying the preceding requirements is to be at the disposal of the Committee, who may expend it (1) in establishing or assisting to establish courses of lectures in convenient centres by Professors or Lecturers of the Universities or Extra-mural Colleges or Schools, in Science and the subjects before-mentioned; or (2) for the benefit of evening classes of students engaged in industrial or professional occupations during the day; or (3) in any other way the Trustees may think proper towards furthering the usefulness of the Universities in connection with the purposes expressed in the trust-deed and constitution. The benefits of the Trust are available to students of both sexes.

The Trustees are partly nominated, and there are also *ex officio* and elected members. The following are the nominated members:

The Right Hon. the Earl of Elgin and Kincardine, K.G., P.C., G.C.S.I., G.C.I.E., D.C.L., LL.D., *Chairman*.

The Earl of Rosebery and Midlothian, K.G., K.T.

The Right Hon. Lord Balfour of Burleigh, P.C., K.T., LL.D.

The Right Hon. Lord Kinnear of Spurness, one of the Senators of the College of Justice.

The Right Hon. Lord Reay of Reay, G.C.I.E., G.C.S.I., D.C.L., LL.D.

The Right Hon. Arthur James Balfour, M.P., D.C.L., LL.D.

The Right Hon. Lord Bryce of Dechmont, D.C.L., LL.D.

The Right Hon. Lord Morley, D.C.L., LL.D., F.R.S.

W. J. Dundas, Esq., LL.D.

The Right Hon. Lord Haldane of Cloan, P.C., K.C., LL.D.

The Right Hon. Lord Shaw of Dunfermline, P.C., LL.D.

The Right Hon. Herbert Henry Asquith, M.P., D.C.L.



The following are the *ex officio* members :

His Majesty's Secretary for Scotland.

The Lord Provost of Edinburgh.

The Lord Provost of Glasgow.

The Provost of Dunfermline.

The elected members are four in number, one chosen by the University Court of each of the four Scottish Universities. They hold office for periods of four years, and are at present Principal Herkless (St. Andrews), Principal Sir Donald MacAlister (Glasgow), Professor Hay (Aberdeen), and —*vacant*—(Edinburgh).

The administration of the Trust is conducted by an Executive Committee of nine members, one of whom is the Chairman of the Trust. Two of the four Trustees elected by the Universities are members of the Executive Committee for the first two years, the other two for the next two years, and so on.

The Executive Committee for the Academic year 1916-17 is as follows :

The Earl of Elgin and Kincardine, K.G., P.C., *Chairman*.

Lord Balfour of Burleigh, P.C., K.T.

Lord Kinnear of Spurness, K.C., LL.D.

W. J. Dundas, Esq., LL.D.

Lord Shaw of Dunfermline, P.C., LL.D.

The Lord Provost of Edinburgh, or an assessor nominated by him, after consultation and with the consent of the Trustees.

The Lord Provost of Glasgow, or an assessor nominated by him, after consultation and with the consent of the Trustees.

Principal Sir Donald MacAlister, K.C.B., Glasgow.

Principal Herkless, D.D., St. Andrews.

The offices of the Trust are at the Merchants' Hall, Hanover Street, Edinburgh. *Secretary*, Sir W. S. M'Cormick ; *Treasurer*, Dr. John Ross. All applications should be addressed to the Secretary of the Trust.

The following excerpt from a letter written by Dr. Carnegie to the Earl of Elgin, Chairman of the Trust, explains the intention of the founder :—

“London, 7th June, 1901.

“My Dear Lord Elgin,

“As your Lordship is aware, my desire throughout has been that no capable student should be debarred from attending the University on account of the payment of fees. I believe that the conditions of application ensure a sufficient standard of merit, and I hope that the honest pride for which my countrymen are distinguished will prevent claims from those who do not require assistance, and that the invidious task of enquiring into the circumstances of each candidate need not be imposed upon the Trustees. But, to further mark my personal belief and hope in this matter, I have made provision in the Trust Deed that the Trustees may receive funds from others to be administered along with the funds placed by me. I consider this a valuable clause, believing, from my own experience with young men, that some students in after life may value the privilege of repaying advances received from the Trustees, although these are free gifts. I hope the Trustees will gladly welcome such repayments, if offered, as this will enable such students as prefer to do so to consider the payments made on their account merely as advances which they resolve to repay if ever in a position to do so, and that this will protect and foster the spirit of manly independence so dear to the Scot.

Very truly yours,

ANDREW CARNEGIE.”

#### ASSISTANCE IN PAYMENT OF CLASS FEES.

The following are the regulations:—

I. AGE.—Applicants must be over sixteen years of age.

II. NATIONALITY.—Applicants must be of Scottish birth or extraction, or must have given two years' attendance after the age of fourteen at a school or institution under inspection of the Scotch Education Department.

III. PRELIMINARY EDUCATION.—Applicants qualified under the two previous Regulations who have been pupils of schools under the Scottish Education Department will be eligible for assistance in the payment of Class Fees if they have obtained

the Leaving Certificate of the Department, provided that it bears evidence of such preliminary education as is required by the Universities for their respective graduating curricula, or if it does not, provided that it has been supplemented by such passes either in the Scottish Universities Preliminary or other Examination as will satisfy the above requirement of the Universities.

Where applicants have not been pupils of schools under the Scottish Education Department, or where other good ground for not having obtained the Leaving Certificate can be shown, the Executive Committee have power to accept instead what they deem equivalent evidence of attainments in the shape of passes gained either in the Scottish Universities Preliminary or other examination, provided that no applicant will be considered eligible who has to pass any further preliminary examination before completing his graduating curriculum.

IV. COURSE OF STUDY.—Applicants (in the Faculties of Arts and Science) must have had their course of study for each academic year approved by the University Adviser of Studies.

V. DEGREE EXAMINATIONS.—Applicants must have passed the graduation examinations belonging to the previous stage of their curriculum before becoming eligible for assistance in the payment of fees of classes belonging to a further stage.

VI. REPORTS ON ATTENDANCE AND WORK.—Beneficiaries come under an obligation to submit to the Executive Committee at the end of each session particulars as to their attendance and work, any distinctions they may have gained, and any graduation examinations they may have passed.

NOTE.—Applicants, in writing to the Secretary of the Trust for Application Forms or Class Lists, must name the University and Faculty in which they intend to study, and must state whether they have or have not previously obtained the benefits of the Trust.

#### POST-GRADUATE STUDY AND RESEARCH.

An important part of the Trust's operations concerns the endowment of Post-Graduate Study and Research, and the Executive Committee have issued certain Regulations defining the

purposes for which Scholarships, Fellowships, and Grants in aid of Research are offered, and setting forth the conditions under which they may be held. Nominations for Scholarships and Applications for Fellowships and Grants must be lodged with the Secretary *not later than 15th April in any year*. The final award of the Executive Committee will be announced in due course ; and all Scholarships, Fellowships, and Grants awarded in any year shall date from 1st October, unless expressly stated otherwise.

A student who intends to graduate at the close of the summer session or opening of the winter session may be nominated for a Scholarship, or may apply for a Research Grant on or before the 15th April preceding ; but he shall not be eligible to receive either until he has graduated.

The following are the regulations :—

## I. SCHOLARSHIPS.

### (a) *In Science and Medicine.*

The Executive Committee are prepared to consider applications for Carnegie Scholarships in Science and Medicine on the following conditions :

I. A Scholar must be a graduate of a Scottish University who desires to devote himself to higher study and research in some department of science or medicine.

II. A Scholarship shall be of the annual value of £100, payable by quarterly instalments in advance, the second and subsequent instalments being payable on the receipt of a satisfactory report by the Scholar and a certificate from the authority under whose supervision the Scholar has been working. The Executive Committee reserve power to suspend or withhold payment, if not satisfied with the progress or conduct of the Scholar.

A Scholarship shall not be held along with any other scholarship or position of emolument, except with the sanction of the Executive Committee.

In the event of a candidate holding or obtaining any other scholarship or position of emolument, the Executive Committee may, in place of granting or continuing to grant a Carnegie Scholarship, supplement the amount of such scholarship or

emolument so as to bring the income up to at least £100, the candidate thereby ranking, and coming under the same regulations, as a Carnegie Scholar.

III. A Scholar shall ordinarily be expected to devote his whole time to the purpose for which the Scholarship is awarded. If he proposes to undertake other work during his tenure of the Scholarship, he must define such work precisely, and obtain the sanction of the Executive Committee.

IV. A Scholarship shall ordinarily be tenable for one year ; but it may be renewed for a second year, if the Executive Committee deem this expedient.

V. A candidate must be nominated by a Professor or Lecturer in a Scottish University, or by a Teacher in Scotland recognised for the purpose of graduation by a Scottish University, under whose supervision, unless other supervision be approved by the Executive Committee, he shall work during his tenure of the Scholarship.

The Nomination Form, to be signed by the nominator and the candidate, must contain information on the following points, all of which will be taken into consideration in estimating the relative claims of candidates :

(1) The age of the candidate, his career as a student, and his knowledge of modern languages.

(2) His special fitness for the work proposed.

(3) His programme of study and research during his tenure of the Scholarship, and where and under whose supervision he proposes to work.

(4) Whether the candidate proposes to undertake other work during his tenure of the Scholarship ; and, if so, the character of the work proposed, and the demand on his time which it will involve.

(5) Whether the candidate holds, or expects to hold, any other scholarship or position of emolument ; and if so, particulars of the amount and duration of such scholarship or emolument.

(6) The names of two or more authorities, other than the nominator, to whom the Executive Committee may refer as to the qualifications of the candidate.

The nominator must, if required, satisfy the Executive Committee that the candidate, if appointed to a Scholarship, will be provided with the facilities and supervision necessary for carrying out his programme of study and research, and that such information will be furnished on his progress and conduct as may seem expedient to the Executive Committee.

VI. By accepting a Scholarship a Scholar comes under an obligation to pursue the programme of research which has been approved by the Executive Committee, and to submit such reports on the progress of his work as the Executive Committee may require.

VII. Nomination Forms may be had from the Secretary to the Carnegie Trust, The Merchants' Hall, Hanover Street, Edinburgh, to whom all communications must be addressed.

(b) *In History, Economics, and Modern Languages and Literature.*

The Executive Committee are prepared to consider applications for Carnegie Scholarships in History, Economics, and Modern Languages and Literature on the following conditions:

I. A Scholar must be a graduate of a Scottish University, preferably with Honours in at least one of the Groups: History, Economic Science, English, Modern Languages and Literature, who desires at home or abroad to devote himself to higher study and investigation within the scope of these groups of study.

II. A Scholarship shall be of the annual value of £100, payable by quarterly instalments in advance, the second and subsequent instalments being payable on the receipt of a satisfactory report by the Scholar and a certificate from the authority under whose supervision the Scholar has been working. The Executive Committee reserve power to suspend or withhold payment, if not satisfied with the progress or conduct of the Scholar.

A Scholarship shall not be held along with any other scholarship or position of emolument, except with the sanction of the Executive Committee.

In the event of a candidate holding or obtaining any other scholarship or position of emolument, the Executive Committee

may, in place of granting or continuing to grant a Carnegie Scholarship, supplement the amount of such scholarship or emolument so as to bring the income up to at least £100, the candidate thereby ranking, and coming under the same regulations, as a Carnegie Scholar.

III. A Scholar shall ordinarily be expected to devote his whole time to the purpose for which the Scholarship is awarded. If he proposes to undertake other work during his tenure of the Scholarship, he must define such work precisely, and obtain the sanction of the Executive Committee.

IV. A Scholarship shall ordinarily be tenable for one year; but it may be renewed for a second year, if the Executive Committee deem this expedient.

V. A candidate must be nominated by a Professor or Lecturer in a Scottish University, under whose supervision, unless other supervision be approved by the Executive Committee, he shall work during his tenure of the Scholarship.

The Nomination Form, to be signed by the nominator and the candidate, must contain information on the following points, all of which will be taken into consideration in estimating the relative claims of candidates:

(1) The age of the candidate, and his career as a student, including particulars as to his general culture and his knowledge of modern languages.

(2) His special fitness for the work proposed.

(3) His programme of study and investigation during his tenure of the Scholarship, and where and under whose supervision he proposes to work.

(4) Whether the candidate proposes to undertake other work during his tenure of the Scholarship; and, if so, the character of the work proposed, and the demand on his time which it will involve.

(5) Whether the candidate holds, or expects to hold, any other scholarship or position of emolument; and if so, particulars of the amount and duration of such scholarship or emolument.

(6) The names of two or more authorities, other than the nominator, to whom the Executive Committee may refer as to the qualifications of the candidate.

The nominator must, if required, satisfy the Executive Committee that the candidate, if appointed to a Scholarship, will be provided with the facilities and supervision necessary for carrying out his programme of study and investigation, and that such information will be furnished on his progress and conduct as may seem expedient to the Executive Committee.

VI. By accepting a Scholarship a Scholar comes under an obligation to pursue the programme of investigation which has been approved by the Executive Committee, and to submit such reports on the progress of his work as the Executive Committee may require.

VII. Nomination Forms may be had from the Secretary to the Carnegie Trust, The Merchants' Hall, Hanover Street, Edinburgh, to whom all communications must be addressed.

## II. FELLOWSHIPS.

### *(a) In Science and Medicine.*

The Executive Committee are prepared to consider applications for Carnegie Fellowships in Science and Medicine on the following conditions :

I. A Fellow must be a graduate of a Scottish University who has given evidence, preferably by work already published, of capability to advance science or medicine by original research, and who desires to devote himself further to this work.

II. A Fellowship shall be of the annual value of £150, exclusive of such special expenses in connection with his research as the Executive Committee may allow. Payment shall be made by half-yearly instalments in advance ; but the Executive Committee reserve power to suspend or withhold payment, if not satisfied with the progress or conduct of the Fellow.

A Fellowship shall not be held along with any other fellowship or position of emolument, except with the sanction of the Executive Committee.

In the event of a candidate holding or obtaining any other fellowship or position of emolument, the Executive Committee may, in place of granting or continuing to grant a Carnegie Fellowship, supplement the amount of such fellowship or emolument so as to bring the income up to at least £150, the



candidate thereby ranking, and coming under the same regulations, as a Carnegie Fellow.

III. A Fellow shall ordinarily be expected to devote his whole time to the purpose for which the Fellowship is awarded. If he proposes to undertake other work during his tenure of the Fellowship, he must define such work precisely, and obtain the sanction of the Executive Committee.

IV. A Fellowship shall ordinarily be tenable for two years, the extension to a second year being dependent on the receipt of a satisfactory report by the Fellow on his work during the first year; but it may be renewed for a third year, if the Executive Committee deem this expedient.

V. A candidate must furnish the Executive Committee with information on the following points, all of which will be taken into consideration in estimating the relative claims of candidates:—

(1) His age, his career as a student, and his knowledge of modern languages.

(2) His special fitness to conduct the research proposed, and his previous experience, along with any published accounts of work already done.

(3) His programme of research during his tenure of the Fellowship; where he proposes to work; and whether he proposes to work independently or in collaboration.

(4) Whether he proposes to undertake other work during his tenure of the Fellowship; and, if so, the character of the work proposed, and the demand on his time which it will involve.

(5) Whether he holds, or expects to hold, any other fellowship or position of emolument; and if so, particulars of the amount and duration of such fellowship or emolument.

(6) The names of two or more authorities to whom the Executive Committee may refer as to his qualifications.

(7) An estimate, as detailed as is possible, of special expenses, if any, required in connection with the research he proposes to undertake.

VI. By accepting a Fellowship a Fellow comes under an obligation to submit such reports on the progress of his work as the Executive Committee may require.

The publication, in some form, of an account of the results of his research will be expected in all cases.

VII. Application Forms may be had from the Secretary to the Carnegie Trust, The Merchants' Hall, Hanover Street, Edinburgh, to whom all communications must be addressed.

(b) *In History, Economics, and Modern Languages and Literature.*

The Executive Committee are prepared to consider applications for Carnegie Fellowships in History, Economics, and Modern Languages and Literature on the following conditions:

I. A Fellow must be a graduate of a Scottish University, preferably with Honours in at least one of the Groups: History, Economic Science, English, Modern Languages and Literature, who desires to investigate at first-hand, at home or abroad, some historical, social, economic, or educational problem or factor of modern civilisation, and who can give evidence by his previous career and general culture, and also preferably by work already published, of capability to advance knowledge by his proposed investigation.

II. A Fellowship shall be of the annual value of £150, exclusive of such special expenses in connection with his investigation as the Executive Committee may allow. Payment shall be made by half-yearly instalments in advance; but the Executive Committee reserve power to suspend or withhold payment, if not satisfied with the progress or conduct of the Fellow.

A Fellowship shall not be held along with any other fellowship or position of emolument, except with the sanction of the Executive Committee.

In the event of a candidate holding or obtaining any other fellowship or position of emolument, the Executive Committee may, in place of granting or continuing to grant a Carnegie Fellowship, supplement the amount of such fellowship or emolument so as to bring the income up to at least £150, the candidate thereby ranking, and coming under the same regulations, as a Carnegie Fellow.

III. A Fellow shall ordinarily be expected to devote his whole time to the purpose for which the Fellowship is awarded. If he proposes to undertake other work during his tenure of the Fellowship, he must define such work precisely, and obtain the sanction of the Executive Committee.

IV. A Fellowship shall ordinarily be tenable for two years, the extension to a second year being dependent on the receipt of a satisfactory report by the Fellow on his work during the first year; but it may be renewed for a third year, if the Executive Committee deem this expedient.

V. A candidate must furnish the Executive Committee with information on the following points, all of which will be taken into consideration in estimating the relative claims of candidates:—

(1) His age, and his career as a student, including particulars as to his general culture and his proficiency in the above-named groups of study.

(2) His special fitness to conduct the investigation proposed, and his previous experience, along with any published accounts of work already done.

(3) His programme of investigation during his tenure of the Fellowship; where he proposes to work; and whether he proposes to work independently or in collaboration.

(4) Whether he proposes to undertake other work during his tenure of the Fellowship; and, if so, the character of the work proposed, and the demand on his time which it will involve.

(5) Whether he holds, or expects to hold, any other fellowship or position of emolument; and if so, particulars of the amount and duration of such fellowship or emolument.

(6) The names of two or more authorities to whom the Executive Committee may refer as to his qualifications.

(7) An estimate, as detailed as is possible, of special expenses, if any, required in connection with the investigation he proposes to undertake.

VI. By accepting a Fellowship a Fellow comes under an obligation to submit such reports on the progress of his work as the Executive Committee may require.

A Fellow will be expected to submit for publication a thesis or memoir upon the results of his investigation.

VII. Application Forms may be had from the Secretary to the Carnegie Trust, The Merchants' Hall, Hanover Street, Edinburgh, to whom all communications must be addressed.

## III. GRANTS IN AID OF RESEARCH.

The Executive Committee are prepared to consider applications for Grants in aid of Research on the following conditions :—

I. An applicant for a Research Grant must be a Scottish University Graduate resident in Scotland, or a member of the staff of one of the Universities or Colleges in Scotland receiving Grants from the Trust.

II. A Research Grant is not intended to take the place of such provision as the University Courts may make out of the Grants for Permanent Equipment under the Scheme of "Grants for five years to the four Universities of Scotland."

III. An applicant must furnish the Executive Committee with information on the following points, all of which will be taken into consideration in estimating the relative claims of applicants :—

(1) His experience in research, with copies of or references to any published papers, or, if he has no papers to offer, with references to two or more authorities who are acquainted with his qualifications.

(2) The nature of the research in which he desires to engage, and the results expected to follow therefrom.

(3) The period over which the proposed research is likely to extend, and the approximate amount of time which he expects to be able to devote to it.

(4) A statement of special requirements for the proposed research, with a detailed estimate of the cost.

(5) Whether he has received, or is receiving, any grant from any other source for the same object; and if so, what results have already ensued from his investigations.

IV. By accepting a Grant an applicant comes under an obligation to pursue the programme of research which has been approved, and to send to the Executive Committee, when required, a report containing—(a) a brief statement (not necessarily for publication) showing the results arrived at, or the stage which the inquiry has reached; (b) a statement of the expenditure incurred; and (c) copies of or references to any papers in which results of the research have been printed.

The publication, in some form, of an account of the results of the research will be expected in all cases.

V. Instruments of permanent value purchased by means of the grant shall, at the conclusion of the research or at such other time as the Executive Committee may determine, be placed under the care and at the disposal of the institution in which the research has been conducted, provided that the Executive Committee may, if they see fit, request their return.

VI. An application for a Grant to two or more collaborators in the same research must be signed by each; but they shall appoint one of their number who shall be responsible for furnishing the report, for receiving and disbursing the money, and in general for the conduct of the research.

VII. Application Forms may be had from the Secretary to the Carnegie Trust, The Merchants' Hall, Hanover Street, Edinburgh, and must be returned to him not later than 15th April.

VIII. The final award of the Executive Committee will be announced in due course, and all Grants awarded shall date from 1st October, unless expressly stated otherwise.

#### IV. ESSAY PRIZE.

1. In order further to encourage post-graduate study and research within the departments of History, Economics, and Modern Languages and Literature, the Executive Committee of the Carnegie Trust offer a prize of £100 for annual award, along with the other awards under their Research Scheme, for the best Essay or Thesis on a subject within those departments.

2. The prize will be open each year for competition among graduates of the Scottish Universities who have not been Fellows or Scholars under the Trust.

3. The Committee reserve the right in any year to withhold, divide, or supplement this prize as they may see fit.

4. Award will be made only where the Essay is judged worthy of publication as an original contribution to learning;

and in making an award the Committee may lay down such conditions regarding publication as they may see fit.

5. Essays must be lodged on or before 15th April in each year, with the Secretary of the Trust, The Merchants' Hall, Edinburgh.

The following Graduates of Glasgow University have been appointed to Carnegie Scholarships and Fellowships:—

*Scholars*:—1903-1910 (See *Univ. Cal.* 1911-12). 1911—(See *Univ. Cal.* 1912-13). 1912—(See *Univ. Cal.* 1913-14). 1913—(See *Univ. Cal.* 1914-15). 1914—(See *Univ. Cal.* 1915-16). 1915—Ada F. R. Hitchins, B.Sc.

*Fellows*:—1904-1910 (See *Univ. Cal.* 1911-12). 1911—(See *Univ. Cal.* 1912-13). 1912—(See *Univ. Cal.* 1913-14). 1913—(See *Univ. Cal.* 1914-15). 1914—(See *Univ. Cal.* 1915-16). 1915—Frederick F. S. Bryson, M.A., B.Sc.; R. Bruce Young, M.A., M.B., C.M., D.Sc.

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The following members of the Teaching Staff and Graduates of Glasgow University resident in Scotland have received Grants in aid of Research:—

1903-1910 (See *Univ. Cal.* 1911-12). 1911—(See *Univ. Cal.* 1912-13). 1912—(See *Univ. Cal.* 1913-14). 1913—(See *Univ. Cal.* 1914-15). 1914—(See *Univ. Cal.* 1915-16). 1915—John V. Harrison, B.Sc.; Wm. R. Smellie, M.A., B.Sc.; Alfred W. Stewart, D.Sc.; John M. Thompson, M.A., B.Sc.; Matthew Young, M.D.; James F. Gemmill, M.A., M.D., D.Sc.; George H. Clark, M.D., D.P.H.; Professor D. Noël Paton, M.D., B.Sc.; James H. Paul, M.A., B.Sc.; Alex. M'L. Watson; J. Shaw Dunn, M.A., M.D.; W. B. M. Martin, M.D.; George Macdonald, M.A., LL.D.; Rev. Geo. Calder, B.D.; Robert Jackson, M.A.; Ernesto Grillo, D.Litt.; John S. Smart, M.A., D.Litt.

# VIII.—LIBRARIES, MUSEUM, BOTANIC GARDEN.

## UNIVERSITY LIBRARY.

The University Library was founded in the fifteenth century. It contains an extensive and valuable collection of books. The Librarian is appointed by the University Court. The Library is under the immediate superintendence of a Committee consisting of three members of the University or others, not being members of Senate, appointed by the University Court, and of six members of Senate appointed by the Senate. All reports by this Committee are, in the first instance, received by the Senate, and the Senate has power, subject to the review of the University Court, to confirm, modify, or reject the recommendations in such reports.

The Library is always increasing by donations and by a grant of £707 per annum, formerly paid by the Treasury, as compensation for the loss of the Stationers' Hall privilege, and now received from the University Court. In Session 1914-15 the sum of £1600 was also received from the additional Treasury grant. The Library receives also a grant of £100 annually for scientific periodicals from the Bellahouston Trustees. The Carnegie Trust has allocated to the Library a grant of £1000 for each of the five years from 1st October, 1913.

During recent years the Library has acquired several valuable collections. Amongst these the most important are the following:—

The Collection bequeathed to the University by the late W. EUING, Esq., amounting to about 15,000 volumes. It contains many books printed in the fifteenth and sixteenth centuries, illustrated books, English literature, Classics, above 2,000 Bibles, and a very large number of Psalm and Hymn books.

The library of the late SIR WILLIAM HAMILTON, Professor of Logic in the University of Edinburgh, amounting to about 8,000 volumes. This collection, which consists principally of Classics, editions of Aristotle, and treatises on Logic and Metaphysics, was purchased by private subscription and presented to the University. A list of the subscribers was inserted in the *Calendar* for 1879-80.

The WALKER-ARNOTT Botanical library of 970 volumes.

The Musical library of the late THOMAS L. STILLIE, Esq., numbering 760 volumes. It contains the works of the chief composers, many of them in score, and an extensive series of modern operatic compositions, continental and English.

The collection of books on Palestine, which belonged to the late DR. A. B. M'GRIGOR, consisting of 655 volumes of works, illustrating the natural and civil history, topography, and antiquities of Jerusalem and the Holy Land. This collection was presented along with 83 volumes, containing about 1,000 pamphlets, by Alexander M'Grigor, Esq.

The library of the REV. A. K. MACCALLUM, LL.D., containing over 3,000 volumes, bequeathed to the University—along with an annual sum of £10 to be spent on its increase—as the nucleus of a Celtic library.

A collection of works, numbering over 600 volumes, relating to Mediaeval Philosophy, which formed part of the library of the late PROFESSOR VEITCH—presented by Mrs. Veitch.

A selection, consisting mainly of theological works and amounting to about 3,800 volumes, from the library of the late REV. ALEXANDER ROBERTSON, who also left the residue of his means to found a lectureship in the University in defence of the Christian religion; 800 volumes of general literature from the library of the late F. A. ECK, Esq.; over 1,000 volumes—selected from the library of the late JAMES HOTSON, merchant—presented by DR. THOMAS REID; 700 volumes, including extensive histories of the Netherlands, books on universities and schools, and many theological works, presented by Professor J. E. B. MAYOR, D.D.; a complete copy of Migne's *Patrologia* in 388 volumes, presented along with an oak book-case by the subscribers as a memorial of the late Dr. W. P. DICKSON, Curator of the Library; about 500 volumes from the library of the late Professor HASTIE, D.D.; and 956 volumes (including 120 volumes containing 2184 pamphlets) published at the University Press—presented by Mr. JAMES MACLEHOSE, LL.D.

The custody and management of the Library are regulated by Ordinance No. 64, and by the rules framed under that Ordinance and approved by the University Court on 14th November, 1895. The following are the principal regulations relative to the use of the Library:—



Books shall not be given out except to the borrower in person, or to some one having written authority from him.

It shall be in the power of the Librarian at any time to withdraw any work from circulation, subject to appeal to the Library Committee; and to call in any book from any borrower after the lapse of the period for which such borrower is entitled to retain it, upon receiving a written request to do so from any person entitled to the use of the Library. In the notice of recall a period of not less than three clear days shall be allowed for making the return, and the penalties leviable for neglect shall be specified in the notice.

The following classes of work, viz.:—Manuscripts, rare books or books in any way difficult to be replaced, works of reference, separate maps or plates, unbound music or parts of works, pamphlets or books not sufficiently protected by the binding, shall not be given out except on an order of, and under conditions to be fixed by, either (a) the Senate, (b) the Library Committee, or (c) three Members of the Library Committee, according as, in the discretion of the Librarian, the special circumstances of each case may require.

Each member of the following classes of readers shall be allowed to borrow, and to have in his, or her, possession at one time the under-mentioned number of volumes, but not more :—

Each Member of the *Senatus Academicus*, thirty volumes.

Each University Lecturer, twenty volumes.

Each Assistant and Examiner, and each holder of a Teaching Fellowship, fifteen volumes.

The Librarian, ten volumes; and each Assistant-Librarian, five volumes.

Each Extra-Academical Teacher, recognized by the University Court, in the town in which the University is situated, ten volumes.

Each retired Principal or Professor, ten volumes.

Each Member of the University Court, during his tenure of office, ten volumes.

Each Member of the General Council of any Scottish University (and each Graduate under the age of twenty-one years) in each year in which he, or she, shall have paid a subscription to the Library of ten shillings and sixpence, six volumes.

Members of the General Council and Special Readers who hold Scholarships or Fellowships of the University, the Carnegie Trust or similar Foundations, and who are engaged in advanced study or research in the University, shall be allowed to borrow ten volumes at one time but not more, without payment of any subscription. But no such Reader shall be permitted to borrow any book from the Library until he, or she, shall have lodged with the Librarian a deposit of £1 in security for the due return of the books and the payment of any fines which may be incurred.

Provided that no Member of the University Court or of the General Council shall be entitled to obtain from the University Library books required by the teachers or students of the University in the prosecution

of academic work and research, and that it shall be in the discretion of the Librarian, subject to appeal to the Library Committee, to decide from time to time what books are so required.

Any Member of the General Council of any Scottish University shall be allowed to compound for the Library subscription by a single payment of Five Guineas, which shall secure to him, or her, for life the same privileges as would accrue from the annual payments.

It shall be in the power of the Library Committee from time to time to grant the use of the Library to persons who may not be Members of the University, for purposes of literary research, and the names of those privileged readers shall be reported annually to the University Court. All grants under this section shall terminate with the close of the reading year, but shall be renewable if again applied for. Each special reader shall pay an annual subscription of ten shillings and sixpence, and shall be entitled to borrow six volumes at one time, but not more.

Subject always to the provision as to the return of books for the annual inspection, all persons entitled to the use of the Library under the foregoing regulations shall have the right to retain each book borrowed during the winter session for one month, and each book borrowed during the summer session for two months, from the date of borrowing; and may further retain each book until it shall have been recalled by the Librarian.

Every Matriculated student, or other Student admitted by ordinance to the use of the Library, shall be entitled to have in his, or her, possession at one time, during the winter session, four volumes but not more, and during the summer session and vacation, six volumes but not more. Every student shall have the right—subject to the return of books for the inspection—to retain any book during the winter session for two weeks, and during the summer session for four weeks, from the date of borrowing, and may further retain each book until it shall have been recalled by the Librarian. But no student shall be permitted to borrow any book from the Library until he, or she, shall have lodged with the Librarian a deposit of £1 in security for the due return of the books and the payment of any fines which may be incurred.

During the winter session such students only as are attending the English Literature classes shall be allowed to borrow works of fiction in English, and then only to the extent of two volumes at one time. During the summer session and vacation students may borrow three volumes of fiction at one time, but not more.

The reading term for Students, Members of General Council, and Special Readers, shall begin with the commencement of the winter session in each year, and terminate with the close of the autumn vacation following.

Readers shall not be allowed to borrow books in more than one capacity.

A general inspection of the Library shall take place in April, beginning with the seventh (except in years when that date falls on a Sunday, when it shall begin on the eighth), and continuing for eight lawful days thereafter.

All works whatever, and by whomsoever borrowed, shall be returned to

the Library before the beginning of the period of the annual inspection under the penalties hereinafter mentioned. The Library shall be wholly closed during the time of the inspection.

If any person shall retain any volume after the commencement of the period of the annual inspection, such person shall incur a fine of one shilling for each volume; and in the event of any volume not being returned before the close of one week after the last day of the inspection, the fine shall be repeated from week to week until the volume is returned, or until the total amount of the fine shall have reached the sum of ten shillings.

If any person, when required by the Librarian to return a book, shall fail to do so before the expiry of the time specified in the notice, such person shall incur a fine of one shilling for each volume, and thereafter a further penalty of sixpence per day so long as the volume is not returned, or until the total amount of the fine shall have reached the sum of ten shillings.

The Librarian is instructed forthwith to report to the Library Committee all cases in which he shall find that books have been mutilated, disfigured by writing on the margin, or otherwise injured, while in the possession of readers; and persons guilty of such offences shall be liable to replace the injured books, and shall be fined or suspended from the privileges of the Library at the discretion of the Committee.

So long as any Library subscription or any fine incurred remains unpaid, and so long as any person continues in possession of a book which he is not entitled to retain, the right of the defaulter to the use of the Library shall be suspended and remain in abeyance.

All readers borrowing books from the Library must obtain them from, and return them to, the Assistant-Librarians in the ante-room on the days and during the hours when the Library is open.

Persons other than students who wish to consult books in the Library will be accommodated in the First Bay of the Lower Hall.

Visitors on giving their names will be conducted over the Library by an attendant.

The Library is open for the borrowing and return of books on Mondays, Tuesdays, Wednesdays, Thursdays, and Fridays from 10 till 5 o'clock, except during the months of July and August when it is open from 10 till 2. On Saturdays it is open from 10 till 1, except in the months of July and August when it is wholly closed. The Library is closed during the time of the Annual Inspection in April. During the Christmas holidays it is open from 10 till 3 o'clock, except on Christmas and New Year's Days and on Saturdays.

Additional Regulations approved by the University Court, viz. Nos. 1, 2, 3, 4 on 1st October, 1903, and No. 5 on 2nd November, 1905:—

1. The members of the Court, the Library Committee and the Teaching Staff and all readers (other than matriculated students) entitled to borrow books without payment of subscription, shall have the privilege of free access to the open shelves and to the recent numbers of current periodicals, during the hours when the Library is open.

2. Similar free access shall also be given to matriculated Research Students and to such Carnegie Scholars and Fellows as become members of the University, provided in all cases that they shall have first become readers in the Library and made the usual deposit.

3. The same privileges may be granted to a limited number of matriculated Students who shall be specially recommended to the Library Committee as likely to make a good use of them, on the following conditions :

(a) The recommendation shall be in writing. It must be signed by a University Professor or Lecturer and bear that it is based on personal knowledge. All recommendations shall cease to be valid at the end of the Autumn Vacation.

(b) No recommended Student shall be admitted to free access unless he is a member of the Library, and has made the usual deposit.

4. Members of the Library Committee and readers under the second of these Additional Regulations shall be allowed to borrow ten volumes at one time, but not more.

5. The privilege of free access to the interior of the Library may be granted by the Library Committee to a limited number of members of the General Council, who are readers in the Library, provided they have satisfied the Convener that they are engaged in such special study as would make the use of the privilege an important advantage to them. The grant in this case shall not expire with the close of the autumn vacation.

The following regulations made by the Library Committee in regard to borrowing books from the Simson and the Hamilton collection, were reported to the Senate on 1st December, 1904 :—

Subject to the general restrictions upon, and regulations regarding, the borrowing of books from time to time in force—

(1) No book shall be lent out of the Simson Collection without an express order, in writing, of the Library Committee.

(2) Any Professor, Lecturer, or University Assistant in the Department of Mental Philosophy in the University shall be entitled to borrow from the Hamilton Collection, on presenting a requisition in writing to the Librarian for the book or books wanted.

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### CATALOGUES.

The General Alphabetical Catalogue may be consulted in the Catalogue Room by Readers, on application to the Librarian.

Students and Graduates who are engaged in special research may, on similar application, have access to the Classified Catalogues. These catalogues were arranged by the late

Professor Dickson, who held the office of Curator of the Library, and the expenses incurred by him in connection with their preparation were defrayed by the late Dr. A. B. M'Grigor.

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### *READING-ROOM.*

In connection with the Library, a Reading-Room, provided with a special collection of books of reference for the use of Matriculated Students, is open for readers, holidays excepted, from 9 A.M. till 4.15 P.M. (Saturdays 9—12).

The Room is primarily intended for readers consulting the books of the Special Collection; but, so far as the accommodation will allow, students may make use of it for individual private study. The following are the principal rules applicable to the Room :—

Every Matriculated Student who shall at the beginning of the session or thereafter record (in a book kept by the Librarian) his desire to use the Reading-Room in accordance with the rules for consulting of books or private study, will receive a voucher entitling him to admission. No student will be admitted to the use of the Room without possessing a voucher.

All readers are required to abstain from talking, whispering, or any other form of distracting or disturbing others, and to enter and leave the Room (and Vestibule) with as little noise as possible. Readers shall exhibit their vouchers when asked; and shall at once give their names and matriculation numbers, if they shall be requested to do so.

Each student, desirous of borrowing books from the Special Collection in the Vestibule, is required to fill up one of the receipt papers with his name, matriculation number, and the title of the book or books wanted, and to present it to the Assistant-Librarian in charge. Students are not permitted to have the use of more than two volumes at one time. The books received are to be used only in the Reading-Room, and are to be returned by the receiver himself into the hands of the Assistant-Librarian. The return of books by those who have to leave the room at the end of any hour is to be made not later than five minutes before that time, and during that interval no books will be given out.

Books of reference not included in the Special Collection, but contained in the General Library, may be obtained for consultation in the Reading-Room on presenting a paper with the name and matriculation number of the reader making the request, and the title of the book wanted, to one of the Assistant-Librarians in the Library.

The Assistant-Librarian in charge is instructed to report at once to the Library Committee the name of any student transgressing the rules.

*DIVINITY HALL LIBRARY.*

This Library consists mainly of theological works and contains about 8000 volumes. It is open, free of charge, to all matriculated students of Divinity, attending at least one class in the Divinity Hall. Former students and others may become readers on payment of a fee. The Library is maintained chiefly by an annual grant from the University Court for the purchase of books, etc., which is expended by a Committee of students, elected annually by all the matriculated students of Divinity, one of whom acts as Secretary and Treasurer. The Library is under the care of the University Librarian. For the purpose of lending and receiving books, an Assistant Librarian attends at the Divinity Hall Library for one hour a day during the Session and two hours a week during the vacation. Intimation of the days and hours of attendance is made from time to time.

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*HUNTERIAN MUSEUM.*

This Museum was founded by the eminent William Hunter, M.D., who was born in 1718, at Cantieswell or at Long Calderwood, in the Parish of East Kilbride, Lanarkshire. (See *William Hunter: Physician, Anatomist, Founder of the Hunterian Museum*, by Professor John Young, M.D.) By his will, dated 1783, he bequeathed to the Principal and Professors of the College, and their successors in office, his valuable collection of books, manuscripts, coins, paintings, anatomical preparations, zoological and mineral specimens, and archaeological relics, and also a sum of £8,000, the greater part of which was spent on the erection of a building for their reception and preservation.

This building, erected in 1804, became the property of the Union Railway Company, as explained at page 38. But accommodation has been provided for the collections in the buildings at Gilmorehill. The Museum occupies the north side of the eastern quadrangle, and consists mainly of two halls, the upper of which is galleried—the lower being used for the present as a laboratory by the Natural History Department. With Dr. Hunter's collections there are incorporated the University collection of Roman inscriptions from the Antonine Vallum, and many important donations that have from time to time been received from friends of the University. Conspicuous among such additions are the Eck collection of minerals and precious stones, the minerals and antiquities

presented by Miss Brown of Lanfine, and the contents of the Zoological and Ethnological Museum formerly attached to the Andersonian University.

The Museum contains:—(1) Medical Preparations, (2) Zoological Specimens, (3) Mineral Specimens, (4) Books, Manuscripts, Coins, Paintings, and Archaeological Objects.

The following catalogues of portions of the collections have been published :

1. *Stevenson Catalogue of Greek Coins.* 3 vols. By Geo. Macdonald, M.A. With 102 plates. Price £9 9s.
2. *Tituli Hunteriani: Catalogue of Roman Stones.* By James Macdonald, LL.D. Price 10s. 6d.
3. *Bellahouston Catalogue of Anatomical and Pathological Preparations.* By J. H. Teacher, M.B., C.M. 2 vols. Svo. Price to students, 2s.
4. *Young Memorial Catalogue of the Manuscripts.* By John Young, M.D., and P. H. Aitken, D.Litt.

The late James Stevenson, Esq., of Hailie, defrayed the cost of the Catalogue of Greek Coins, and the Bellahouston Trustees that of the Anatomical Catalogue. The Catalogue of the Printed Books is completed in Manuscript and is about to be published.

The whole Museum is under the immediate superintendence of the Museums Committee, consisting of two members of the University or others, not being members of Senate, appointed by the University Court, and of four members of Senate, appointed by the Senate. All reports by this Committee are, in the first instance, received by the Senate, and the Senate has power, subject to the review of the University Court, to confirm, modify, or reject the recommendations in such reports.

The Museum is open to the public, free of charge, every week-day from 10 A.M. to 4 P.M. in winter, 10 A.M. to 5 P.M. in summer.

#### *Donations to University Collections, 1915-16.*

The following donors have contributed to the collections during the past year :—

Mr. James Lumsden : *Tetrao urogallus*, male.

Professor W. B. Stevenson : *Chamaeleo jacksoni*, male.

Dr. Madoka Sasaki : *Watasenia scintillans*.

Professor Gilchrist : *Cephalodiscus gilchristi*.

Mr. R. Elmhirst : *Colymbus septentrionalis*.

Dr. J. H. Ashworth : Collection of Australian animals and microscopic preparations.

### BOTANIC GARDEN.

A piece of ground adjoining the old College was for many years set apart as a Botanic Garden, for the use of the Lecturer on Botany; but the great increase of manufactories and other buildings in its vicinity having rendered it unfit for such a purpose, the University, in 1817, agreed to subscribe £2000 towards the formation of a new Botanic Garden then projected by the citizens of Glasgow, on condition that a Lecture-Room should be erected within it for the exclusive use of the Professor of Botany and his pupils—that every facility should be given them in prosecuting the study of Botany—and that three Directors of the Institution should be annually appointed by the Faculty of the College, to represent and protect the interests of the University. The Garden to which this agreement referred was completed and opened to the public in 1819. A Lecture-Room, in which the Professor of Botany delivered an annual course of Lectures during the summer months, was built; and the collection of plants, from the zeal and ability of the Superintendent, and the favourable situation of Glasgow, had become one of the richest and most valuable in the island. The extension of the town again compelled the removal of the Garden to its present site in Hillhead, at a greater distance from the old College, so that the Professor, while he continued to give in it the practical portions of the course (*Demonstrations*), found it more convenient to deliver his Lectures at the University. The removal of the University to Gilmorehill brought it nearer the Botanic Garden, but the Lecture-Room in the Garden being inadequate for the students attending the course of Elementary Lectures on Botany, and there being no Laboratory, Museum, or Herbarium-Room in the Garden, the Professor has continued to deliver his Lectures and to have his Laboratory at the University. Suitable buildings for the Botanical department have now been erected within the University grounds, and include Lecture Room, Museum, Herbarium, Laboratories, and other rooms.

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### FACILITIES FOR STUDY OF MARINE BIOLOGY.

It is very desirable for students in the Department of Zoology and Botany to use any possible opportunity for the study of marine organisms at the coast, especially during the vacations.



Facilities for this are afforded by various stations on the coast at home or abroad. Of distant establishments the most important are Naples and Plymouth. Others are situated at St. Andrews and Port Erin, while on the Firth of Clyde there are laboratories at Millport and Rothesay.

Students who wish to take up work at any of these establishments are advised to apply for information to the Professors of Zoology and Botany.

## IX.—GRADUATION IN THE SEVERAL FACULTIES.

### EXAMINERS.

#### Preliminary Examinations in Arts, Science, and Medicine.

The University Court of each University annually appoints as Examiners such number of Professors or Lecturers in the Faculty of Arts in that University, and such additional Examiners as may be deemed necessary. The Preliminary Examinations in Arts, Science, and Medicine are conducted by these Examiners, under the control and supervision of a Joint-Board appointed in January of each year by the several University Courts from among the Examiners, according to a scheme of rotation prescribed in Ordinance No. 13, Section IV., as supplemented by Ordinance No. 43, Section I.

The Joint-Board holds office from the first day of February to the thirty-first day of January in the succeeding year, and sits at each University in rotation in the following order:—Edinburgh (1913-14), Glasgow (1914-15), Aberdeen (1915-16), St. Andrews (1916-17). It consists of eight Professors or Lecturers and eight additional Examiners, two Professors or Lecturers and two additional Examiners being appointed by the University Court of each University, according to the scheme printed on p. 236. In the case of a candidate at a Preliminary Examination who is permitted to offer himself for examination in any language not included in the Preliminary Examination, each University makes special arrangements for the examination of its own candidates.

#### Degrees in Arts.

The Examiners for Degrees in Arts are the Professors whose subjects qualify for Graduation in Arts, together with such Lecturers in the University and such additional Examiners appointed by the University Court as the University Court may deem necessary.

#### Degrees in Science.

The Examiners for Degrees in Science are the Professors whose subjects qualify for Graduation in Science, together with such Lecturers in the University and such additional Examiners appointed by the University Court as the University Court may deem necessary.

UNIVERSITY.	1893, and every Fourth Year thereafter (1917).	1894, and every Fourth Year thereafter (1918).	1895, and every Fourth Year thereafter (1919).	1896, and every Fourth Year thereafter (1920).
ST. ANDREWS,	English (Professor). Classics (Additional Examiner). Mathematics and Dynamics (Additional Examiner). Modern Languages (Professor or Lecturer).	English (Professor). Classics (Professor). Mathematics and Dynamics (Additional Examiner). Modern Languages (Additional Examiner).	English (Additional Examiner). Classics (Professor). Mathematics and Dynamics (Professor). Modern Languages (Additional Examiner).	English (Additional Examiner). Classics (Additional Examiner). Mathematics and Dynamics (Professor). Modern Languages (Professor or Lecturer).
GLASGOW, . . .	English (Additional Examiner). Classics (Additional Examiner). Mathematics and Dynamics (Professor). Modern Languages (Professor or Lecturer).	English (Professor). Classics (Additional Examiner). Mathematics and Dynamics (Additional Examiner). Modern Languages (Professor or Lecturer).	English (Professor). Classics (Professor). Mathematics and Dynamics (Additional Examiner). Modern Languages (Additional Examiner).	English (Additional Examiner). Classics (Professor). Mathematics and Dynamics (Professor). Modern Languages (Additional Examiner).
ABERDEEN, . .	English (Additional Examiner). Classics (Professor). Mathematics and Dynamics (Professor). Modern Languages (Additional Examiner).	English (Additional Examiner). Classics (Additional Examiner). Mathematics and Dynamics (Professor). Modern Languages (Professor or Lecturer).	English (Professor). Classics (Additional Examiner). Mathematics and Dynamics (Additional Examiner). Modern Languages (Professor or Lecturer).	English (Professor). Classics (Professor). Mathematics and Dynamics (Additional Examiner). Modern Languages (Additional Examiner).
EDINBURGH, . .	English (Professor). Classics (Professor). Mathematics and Dynamics (Additional Examiner). Modern Languages (Additional Examiner).	English (Additional Examiner). Classics (Professor). Mathematics and Dynamics (Professor). Modern Languages (Additional Examiner).	English (Additional Examiner). Classics (Additional Examiner). Mathematics and Dynamics (Professor). Modern Languages (Professor or Lecturer).	English (Professor). Classics (Additional Examiner). Mathematics and Dynamics (Additional Examiner). Modern Languages (Professor or Lecturer).

### Degrees in Medicine.

The Examiners for Graduation in Medicine are the Professors whose subjects qualify for Graduation in Medicine, together with such Lecturers in the University and such additional Examiners appointed by the University Court as the University Court may deem necessary, such provision being made as will ensure that every candidate shall be examined in each subject by at least two Examiners, one of whom shall not be a Professor or Lecturer in the University.

No person is eligible for appointment to the office of additional Examiner, whether for Preliminary Examination or for Degrees in Arts, Science, or Medicine, who is a Professor, Lecturer, or University Assistant or Demonstrator in any Scottish University, and the appointment of any additional Examiner during the currency of his term of office to a Professorship, Lectureship, or to the office of University Assistant or Demonstrator in any Scottish University is held to vacate his office of Examiner. The periods of appointment of additional Examiners are so adjusted as to secure that all the Examiners shall not vacate their office at the same time; but no Examiner can be appointed for a longer period than four years, and no person who has held the office of Examiner for a period of three or four years is eligible for reappointment to the office of Examiner in the same University until he has ceased to hold the office of Examiner in such University for not less than one year.

In the event of a vacancy in the office of a member of the Joint-Board, or of an Examiner or additional Examiner in Arts, Science, or Medicine, occurring otherwise than by expiration of his term of office, the person appointed in his room is appointed for the remainder of such term only.

### Degrees in Law.

The Examiners for the Degree of Bachelor of Laws are the Professors of or Lecturers on the subjects included in the examinations for the said degree, and additional Examiners appointed by the University Court.

The Examiners for the Degree of Bachelor of Law are the Professors of or Lecturers on the subjects included in the examinations for the said degree, and additional examiners appointed by the University Court.

### Degrees in Divinity.

The Examiners for the Degree of Bachelor of Divinity are the Professors of or Lecturers on the subjects included in the examinations, and two additional Examiners appointed by the University Court.

*REGULATIONS FOR GRANTING DEGREES.***I. GRADUATION IN ARTS.**

The conditions on which the Degree of Master of Arts is conferred are regulated by the University Court Ordinance No. XXIII. (Glasgow No. 6), the principal provisions of which are the following :—

**ACADEMICAL YEAR.**

I. The academical year shall commence on the first day of October. In each academical year there shall be one session, which shall include not less than twenty-five teaching weeks. The session shall commence within the first seven days of October, and shall be divided into three terms. The days on which classes shall open and close in each term shall be determined by the Senatus, with the approval of the University Court. For the purpose of reckoning the duration of study in any subject, the Senatus, with the approval of the University Court, shall have power to determine that attendance during one session shall be constituted by attendance during at least two terms of the session.

II. The Curriculum for the Degree of Master of Arts (M.A.) shall extend over not less than three sessions.

**PRELIMINARY EXAMINATION.<sup>1</sup>**

III. (1) Before entering on the Curriculum (subject to the proviso contained in Section IV., Sub-section 1) each student shall pass a Preliminary Examination in the following subjects :—

1. English.
2. Latin or Greek.
3. Mathematics.
4. One of the following :—Latin or Greek (if not already taken), French, German, Italian (or such other language<sup>2</sup> as the Senatus Academicus may approve), Dynamics.

Under this sub-section the Senate has approved of (1) Japanese, (2) Spanish, (3) Portuguese, (4) Danish, (5) Turkish, (6) Hebrew, (7) Russian, (8) any of the Celtic languages. Any candidate who proposes to be examined in Japanese or Spanish or in any other language than the six mentioned in the Ordinance is required to make intimation to

<sup>1</sup> Supplementary Regulations issued by the Joint Board on 31st January, 1916, have been inserted in smaller type at the points in the ordinances to which they are related.

<sup>2</sup> The Joint Board has directed that all examinations in languages approved by the Senatus under this sub-section shall consist of two papers, each of two hours' duration, and shall be drawn up, so far as possible, in accordance with the regulations given on page 240 as regards French and German.

the Senate before 1st Feb. or 1st July for the Spring and Autumn Examinations respectively.<sup>1</sup>

(2) The examination must be passed in the matters and on the standards hereinafter defined; but there shall be a higher and a lower standard in Latin and in Greek, and a higher, an intermediate, and a lower standard in Mathematics.

Candidates must pass on the higher standard in at least one of these three subjects, and may pass on the lower standard in either or both of the remaining two; subject always to the conditions relative to attendance contained in Section IV. of this Ordinance.

(3) English shall comprise Grammar and Composition, and the outlines of Geography and British History, and the standard shall not be lower than that adopted at the date of the approval of this Ordinance for a pass on the Higher Grade standard at the Leaving Certificate Examination of the Scotch Education Department.

In the case of a student, whose native language is other than English, the standard required in English in the Preliminary Examination shall be such as the Joint-Board of Examiners may deem sufficient.

The Joint-Board has issued the following directions showing the character of the papers to be set in English:—

The Examination shall consist of two papers:—

(a) *The History of the British People*. Two hours. Candidates will be expected to show acquaintance with the social as well as the political history of the British People and the relevant Geography.

About twelve questions will in general be set, of which candidates will be expected to answer six.

(b) *Composition and English Literature*. Two hours. Candidates will be required (a) to write a short Essay, (b) to answer from four to five questions upon subjects derived from a prescribed group of texts; the themes of the Essay will also be based upon the prescribed texts.

One or two of the questions given for choice may be of a grammatical or linguistic character; but the main object of the questions will be to test the candidate's knowledge of the texts themselves and his power of writing English correctly and well.

Two groups of texts will be prescribed in each year, either of which may be selected by a candidate. Group B in each year will become Group A in the subsequent year, and a new Group B will be added yearly.

The prescribed groups of texts for Spring and Autumn, 1916, will be:—Group A.—Shakespeare—*Twelfth Night*; Spenser—*Faerie Queene*, Book V.; Addison and Steele—*Spectator*, 1-50; Stevenson—*Master of Ballantrae*. Group B.—Shakespeare—*Tempest*; Gray—*Poems and Letters* (Everyman Series); Lockhart—*Life of Burns* (Everyman Series); Palgrave—*Golden Treasury*, Book IV.

The prescribed groups of texts for Spring and Autumn, 1917, will be:—Group A.—Shakespeare—*Tempest*; Gray—*Poems and Letters* (Everyman Series); Lockhart—*Life of Burns* (Everyman Series); Palgrave—*Golden Treasury*, Book IV. Group B.—Shakespeare—*Macbeth*; Milton—*Paradise Lost*, Book I.; Southey—*Life of Nelson*; Wordsworth—*Poems Dedicated to National Independence and Liberty* (Isbister & Co., 1/-).

<sup>1</sup> Each applicant for examination in a special subject in the Preliminary Examination shall pay, in addition to the statutory fee for Preliminary Examination, the sum of One Guinea, and should the applicant be successful in passing the examination in the special subject he shall be entitled to recover the sum of One Guinea when he has become a matriculated student of the University, i.e., has entered his name in the Matriculation Album, and has been enrolled in at least one University Class.

[Passes in certain subjects of the Preliminary Examination of the Joint Board are accepted by the General Examining Board of the Chartered Accountants of Scotland.]

[The Society of Incorporated Accountants and Auditors, 50 Gresham Street, London, E.C., accept the Preliminary Examination of the Joint Board in lieu of their own Preliminary Examination.]

(4) Latin and Greek shall comprise grammatical questions, translation into English from Latin or Greek authors not previously prescribed, and translation of plain passages or easy sentences from English into Latin or Greek. The higher standard shall not be lower than that adopted at the date of the approval of this Ordinance for a pass on the Higher Grade standard at the Leaving Certificate Examination of the Scotch Education Department, and the lower standard shall not be lower than that adopted at the said date for a pass on the Lower Grade standard at the Leaving Certificate Examination of the said Department.

In the case of a student whose native language is other than European, the Senatus may accept, as an alternative to Latin or Greek, any other classical language, for example, Sanskrit or Arabic, provided always that the standard of the examination therein shall be as nearly as possible equivalent to the higher standard in Latin or Greek.

In any classical language accepted as an alternative for Latin and Greek, the arrangement of the papers set and the allocation of marks to the different questions will be the same as for the papers in Latin and Greek. The examination, if upon the higher standard, will consist of two papers of two hours each.

The Latin examination on the higher standard will include Translation, Prose Composition, Grammar, and Sentences.

The Greek examination on the higher standard will include Translation, Sentences, an easy passage of continuous Prose, and Grammar.

The passages for translation both from Greek and Latin will include Prose and Verse.

The Latin examination on the lower standard will include Translation and Parsing, Prose Composition, Grammar, and Sentences.

The Greek examination on the lower standard will include Translation, Sentences, and Grammar.

In the Latin and the Greek papers, both on the higher and lower standards, candidates are required to satisfy the Examiners both in Composition and in Translation.

**The attention of Candidates in Classics is called to the fact that the Board has discontinued the practice of granting a Lower Pass on the Higher Greek and Latin Papers. The Lower Paper also must be taken by those who wish to obtain a Lower Pass in the event of failure for a Higher.**

(5) French, German, and Italian shall comprise grammatical, literary, and easy philological questions, translation into English from French, German, or Italian authors not previously prescribed, and translation from English into French, German, or Italian; and the standard shall not be lower than that adopted at the date of the approval of this Ordinance for a pass on the Higher Grade standard at the Leaving Certificate Examination of the Scotch Education Department.

Two papers will be set in French and two in German, two hours being allowed for each; the first paper to contain a passage for translation from English into French or German, and a test in free composition on some easy subject; the second paper to contain two unseen translations into English (one in prose, one in verse), three grammatical, one philological, and one literary question. Of these five questions the candidates will be allowed to choose three.

Literature will comprise a general knowledge of the life and works of at least one of four standard writers (for French literature, two at least from the 19th century, and one at least from the 17th century), with special reference to one particular work by each of them. Two of the authors will be changed from year to year.

The authors prescribed for literary questions in Spring and Autumn, 1916, will be :—  
**FRENCH.**—Corneille, *Polyeucte*; Beaumarchais, *Le Barbier de Séville*; Victor Hugo, *Oeuvres choisies* (Larousse), or *Les Feuilles d'Automne*; Renan, *Souvenirs d'enfance* (Nelson).

**GERMAN.**—Mörke, *Mozart auf der Reise nach Prag*; G. Keller, *Kleider machen Leute*; Raabe, *Else von der Tanne* (Oxford German Series); Schiller's *Ballads*.

The authors prescribed for literary questions in Spring and Autumn, 1917, will be :—

**FRENCH.**—Corneille, *Polyeucte*; B. de Saint Pierre, *Paul et Virginie*; Daudet, *Lettres de mon moulin*; Renan, *Souvenirs d'enfance* (Nelson).

**GERMAN.**—Raabe, *Else von der Tanne* (Oxford German Series); Schiller, *Ballads*; Goethe, *Hermann und Dorothea*; Lessing, *Minna von Barnhelm*.

(6) Mathematics on the lower standard shall comprise—(a) Arithmetic, including Vulgar and Decimal Fractions, Proportion, Percentage, Square Root, Simple Interest; (b) Algebra, including Fractions, Factors, Square Root, Equations of the First Degree, Simultaneous Equations of the First Degree, Easy Quadratic Equations, Problems leading to the above Equations; (c) Geometry: Euclid, Books I., II., and III. (or their equivalents), with easy deductions. Demonstrations other than Euclid's will be accepted if they assume no propositions which in Euclid's order are subsequent to the proposition under consideration.

(7) Mathematics on the intermediate standard shall, in addition to the subjects comprised in the lower standard, comprise—(a) Euclid: Book VI., Propositions 1—19, or Geometry equivalent thereto. (b) Algebra: Quadratic Equations, Ratio and Proportion. (c) The Trigonometry of Right-angled Triangles.

No candidate can pass on the intermediate standard who either does not, at the same time, pass on the lower standard, or has not previously passed on the lower standard.

(8) Mathematics on the higher standard shall, in addition to the subjects comprised in the lower standard, comprise Euclid, Books IV., VI., and the first twenty-one propositions of Book XI. (or their equivalents), with Deductions, Quadratic Equations, Trigonometry to the Solution of Triangles inclusive, and the use of Logarithmic Tables.

In the examination in Mathematics on the higher and intermediate and on the lower standards each question in Geometry will consist of two parts, of which one will be an easy deduction or illustrative exercise on the proposition set as bookwork.

There will be two papers in Mathematics on the higher and on the intermediate standard. The first paper will consist of questions on Geometry, and on Trigonometry, in the proportion of four-fifths Geometry and one-fifth Trigonometry. The second paper will consist of questions on Algebra (including Arithmetic), and on Trigonometry, in the proportion of four-fifths Algebra and one-fifth Trigonometry, and shall contain two or more questions on Arithmetic, of which one at least shall be taken by all candidates.

Candidates for the higher standard may obtain full marks by doing correctly about two-thirds of the questions set in each subject; but the Examiners will be entitled to reject a candidate who makes in any subject less than a certain minimum of the marks allotted to that subject.

The pass-mark for candidates on the intermediate standard is fixed with reference to the total number of marks assigned to questions which fall under the syllabus of the intermediate standard; but such candidates will receive credit for any question they may answer.

The paper in Mathematics on the lower standard will be devoted to the various subjects comprised in as nearly as possible the following proportions: four-ninths to Geometry, three-ninths to Algebra, and two-ninths to Arithmetic.

Candidates may obtain full marks by doing correctly about two-thirds of the questions set in each subject; but the Examiners will be entitled to reject a candidate who makes in any subject less than a certain minimum of the marks allotted to that subject.

(9) Dynamics shall mean the Elementary Statics and Kinetics of Solids, Liquids, and Gases.

The paper on Dynamics will be directed to test the candidate's knowledge of the fundamental principles of the subjects included in it as defined above. Questions may be set which involve the Trigonometry of right-angled triangles.

Candidates may obtain full marks by doing correctly about two-thirds of the questions set in each section of the paper.

(10) A candidate shall be obliged to pass in all the required subjects at one or not more than two examinations; provided that he may offer himself for re-examination as often as may be necessary to satisfy this condition.

IV. (1) Attendance on any course shall not qualify for graduation, unless the whole Preliminary Examination has been previously passed. But any student who has passed in Latin, Greek, or Mathematics on the higher standard may attend a qualifying course in such subject or subjects without having passed in the other subjects of the Preliminary Examination, provided always that (a) no candidate shall be allowed to present himself for a Degree Examination in any subject until he has passed the whole Preliminary Examination; and (b) no student shall be admitted to a degree in Arts unless he has attended qualifying courses in this University, or partly in this University and partly in another Scottish University (or other University specially recognised by the University Court, after consultation with the Senatus, as provided by Section XXIII. hereof), for three sessions after he has completed his Preliminary Examination.

(2) Attendance on a course in any language included in the Preliminary Examination shall not qualify for graduation, unless the candidate has previously passed the Preliminary Examination in that subject, and on the higher standard where more than one standard is provided. He may, for that purpose, attend any Preliminary Examination held during the course of his study, taking only the paper set in that subject; provided always that the provisions of sub-section (1) immediately preceding shall have been satisfied.

(3) Attendance on a course in any language not included in the Preliminary Examination shall not qualify for graduation, unless the candidate has previously passed an examination in that language on a standard as nearly as possible equivalent to the higher standard of the languages included in the Preliminary Examination.

(4) Attendance on a course of Mathematics or Natural Philosophy shall not qualify for graduation unless the candidate has previously passed in Mathematics on the higher standard or on the intermediate standard.

(5) If a student, before passing the Preliminary Examination, has attended a course qualifying for graduation, the Senatus may, on special cause shown, permit him to count such course as qualifying for graduation, on condition of his passing the full Preliminary Examination within such time thereafter as the Senatus may appoint; and in every such case the Senatus shall make a report to the University Court setting forth the reasons for the relaxation.



V. (1) The Preliminary Examination shall be held not oftener than twice in each year,<sup>1</sup> under such regulations as the Senatus, with the approval of the University Court, shall from time to time determine, and shall be conducted in writing; but the regulations may prescribe that with respect to any of the subjects the written examination shall be supplemented by an oral or a practical examination.

(2) The Joint-Board of Examiners appointed under the provisions of Ordinance No. 13, General No. 8 (Regulations as to Examinations) shall have power to accept a Pass on the Higher Grade standard at the Leaving Certificate Examination of the Scotch Education Department in any subject as an equivalent for the Preliminary Examination in that subject; to accept a pass in Science at the Leaving Certificate Examination of the said Department as an equivalent for the Preliminary Examination in the subject of Dynamics; and to accept a pass on the Lower Grade standard at the Leaving Certificate Examination of the said Department as an equivalent for the Preliminary Examination on the lower standard in Latin, Greek, and Mathematics; provided they are satisfied that the standard of the examination, at which the said certificates were granted, is not lower than that required by this ordinance.

Under this sub-section the Joint Board of Examiners has resolved as follows :—

### SCOTLAND.

#### LEAVING CERTIFICATES OF THE SCOTCH EDUCATION DEPARTMENT.

A pass on the Higher Grade in *Latin*, *Greek*, or *Mathematics* will exempt from Higher Latin, Higher Greek or Higher Mathematics.

A pass on the Higher Grade in *English*, *French*, *German*, or *Dynamics* will exempt from English, French, German, or Dynamics.

A pass on the Higher Grade in *Science* will exempt from Dynamics.

A pass on the Lower Grade or in the Intermediate Certificate Examination in *Latin*, *Greek*, or *Mathematics* will exempt from Lower Latin, Lower Greek, or Lower Mathematics, provided that the Scotch Education Department shall have made intimation that the candidate has reached a sufficient standard in these subjects.<sup>2</sup>

The Regulation that all the subjects of the examination shall be passed at one or not more than two examinations shall not be held to apply to the Leaving Certificate Examinations.

(3) The Joint-Board of Examiners shall have power to determine what examinations, if any, other than the Leaving Certificate Examinations of the Scotch Education Department, may be accepted as equivalent

<sup>1</sup> For dates of Preliminary Examinations see Table on page 245.

*Candidates who are exempted in any subject or subjects of the Preliminary Examination shall be deemed to have passed the Preliminary Examination when they have passed in the remaining subjects required by Ordinance, provided that all such remaining subjects shall be passed at one or not more than two Preliminary Examinations (Joint Board Regulation).*

<sup>2</sup> Passes in individual subjects in the Intermediate Certificate Examination are accepted only under authority for each case from the Scotch Education Department. In this connection candidates are requested to write with full particulars to the Secretary, Scotch Education Department, Edinburgh, asking that intimation be made to the Registrar, The University, Glasgow, as to whether a sufficient standard was reached.

\*to the Preliminary Examination in whole or in part, provided they are satisfied that such other examinations are in fact equivalent thereto.<sup>1</sup>

Under this sub-section the Joint-Board have agreed to accept the following Examinations as exempting from the Preliminary Examination in Arts and Science, either wholly or in part :—

### I. DEGREES IN ARTS AND SCIENCE.

A Degree in Arts, not being an Honorary Degree, in any of the Universities of the United Kingdom, shall exempt from the Preliminary Examination in Arts ; and a Degree in Science, not being an Honorary Degree, in any of the Universities of the United Kingdom, shall exempt from the Preliminary Examination in Science.

### ENGLAND.

#### II. OXFORD AND CAMBRIDGE SCHOOLS EXAMINATION BOARD.

##### (1) *Higher Certificate.*

A pass in *Latin* or *Greek* will exempt from Higher Latin or Higher Greek.

A pass in *French* or *German* will exempt from French or German.

A pass in *Elementary Mathematics* will exempt from Lower Mathematics.

A pass in *Additional Mathematics* will exempt from Higher Mathematics.

A pass in *Statics and Dynamics* on a standard equal to the general pass standard for "*Advanced Mathematics*" will exempt from Dynamics.

A pass (a) in *English* or (b) in *English Essay* together with either *History* or *Geography* will exempt from English.

##### (2) *Lower Certificate.*

A pass in *Latin* or *Greek* will exempt from Lower Latin or Lower Greek.

##### (3) *School Certificate.*

A pass in *Latin* or *Greek* will exempt from Lower Latin or Lower Greek.

A pass in *Elementary Mathematics* will exempt from Lower Mathematics.

A pass in *Additional Mathematics* will exempt from Higher Mathematics, provided it is endorsed with *Trigonometry*. Otherwise it will exempt from Lower Mathematics only.

A pass in the combined subject of *English History and Geography* will exempt from English.

### III. OXFORD UNIVERSITY LOCAL EXAMINATIONS.

#### (1) *Higher Local Examinations.*

A pass will exempt from all the subjects included in it.

<sup>1</sup>Applications for exemption on the ground of having passed examinations not included in the following list should be addressed to the Convener of the Joint Board. As all the Universities have to be consulted, a decision on a new case cannot be guaranteed in less time than from two to three weeks.

Fees. <sup>2</sup>	Names to be given in and Fees paid to the Registrar, <sup>1</sup> The University. Date.	Subject.	Dates of Examinations and Hours at which the various Papers will be set.	
	From 21st to 25th August, 1916, both days inclusive, or From 12th to 23rd February, 1917, both days inclusive.	English (1st Paper), Higher Latin (1st Paper), Lower Latin, English (2nd Paper), Intermediate and Higher Math. (1st Paper), French (1st Paper), Higher Latin (2nd Paper), Intermediate and Higher Math. (2nd Paper), Lower Mathematics Higher Greek (1st Paper), Lower Greek, German (1st Paper), Higher Greek (2nd Paper), French (2nd Paper), Dynamics, German (2nd Paper), Italian (1st Paper), Italian (2nd Paper), Celtic.	September, 1916.  Friday, 15th September, 9 to 11 a.m. Friday, 15th September, 12 noon to 2 p.m. Friday, 15th September, 3 to 6 p.m. Saturday, 16th September, 9 to 11 a.m.  Sat., 16th September, 12 noon to 2 p.m. Saturday, 16th September, 3 to 5 p.m. Monday, 18th September, 9 to 11 a.m.  Monday, 18th September, 12 noon to 2 p.m. Monday, 18th September, 3 to 5 p.m. Tuesday, 19th September, 9 to 11 a.m. Tuesday, 19th September, 12 noon to 3 p.m. Tuesday, 19th September, 4 to 6 p.m. Wednesday, 20th September, 9 to 11 a.m. Wed., 20th September, 12 noon to 2 p.m. Wednesday, 20th September, 3 to 6 p.m. Thursday, 21st September, 9 to 11 a.m. Thursday, 21st September, 12 noon to 2 p.m. Thursday, 21st September, 3 to 5 p.m. Fri., 22nd Sept., 9 to 11 a.m. & 12 to 2 p.m.	March, 1917.  Friday, 16th March, 9 to 11 a.m. Friday, 16th March, 12 noon to 2 p.m. Friday, 16th March, 3 to 6 p.m. Saturday, 17th March, 9 to 11 a.m.  Saturday, 17th March, 12 noon to 2 p.m. Saturday, 17th March, 3 to 5 p.m. Monday, 19th March, 9 to 11 a.m.  Monday, 19th March, 12 noon to 2 p.m. Monday, 19th March, 3 to 6 p.m. Tuesday, 20th March, 9 to 11 a.m. Tuesday, 20th March, 12 noon to 3 p.m. Tuesday, 20th March, 4 to 6 p.m. Wednesday, 21st March, 9 to 11 a.m. Wednesday, 21st March, 12 noon to 2 p.m. Wednesday, 21st March, 3 to 6 p.m. Thursday, 22nd March, 9 to 11 a.m. Thursday, 22nd March, 12 noon to 2 p.m. Thursday, 22nd March, 3 to 5 p.m. Friday, 23rd Mar., 9 to 11 a.m. & 12 to 2 p.m.
10s. 6d. 10s. 6d.				
10s. 6d. 10s. 6d.	Same as above.	English, Latin, French, Mathematics, Greek, German,	II. MEDICINE.  Friday, 15th September, 9 a.m. to 12 noon. Friday, 15th September, 3 to 6 p.m. Saturday, 16th September, 9 to 11 a.m. Monday, 18th September, 3 to 6 p.m. Tuesday, 19th September, 12 noon to 3 p.m. Wednesday, 20th September, 3 to 6 p.m.	Friday, 16th March, 9 a.m. to 12 noon. Friday, 16th March, 3 to 6 p.m. Saturday, 17th March, 9 to 11 a.m. Monday, 19th March, 3 to 6 p.m. Tuesday, 20th March, 12 noon to 3 p.m. Wednesday, 21st March, 3 to 6 p.m.

<sup>1</sup> For Women Students, Miss Melville, Queen Margaret College.

<sup>2</sup> As to the fee payable for examination in a special subject see footnote on page 239.

(2) *Senior Local Examinations.*

Distinction in *Latin* or *Greek* will exempt from Higher Latin or Higher Greek.

Distinction in *French* or *German* will exempt from French or German.

A pass in *Mathematics*, including Algebra, Geometry, and Trigonometry, with a pass in *Arithmetic*, or a pass in *Higher Mathematics* with a pass in *Arithmetic*, will exempt from Higher Mathematics.

A pass in *English Language and Literature, History and Geography*, with Distinction in *English Language and Literature*, will exempt from English.

A pass in *Latin* or *Greek* will exempt from Lower Latin or Lower Greek.

A pass in *Algebra* and *Geometry* with a pass in *Arithmetic* will exempt from Lower Mathematics.

(3) *Junior Local Examinations.*

Distinction in *Mathematics*, with a pass in *Arithmetic*, will exempt from Lower Mathematics.

## IV. CAMBRIDGE UNIVERSITY LOCAL EXAMINATIONS.

(1) *Higher Local Examinations.*

A pass will exempt from all the subjects included in it.

(2) *Senior Local Examinations.*

Distinction in *Latin* or *Greek* will exempt from Higher Latin or Higher Greek.

Distinction in *French* or *German* will exempt from French or German.

A pass in *Mathematics*, including a pass in Algebra, Geometry, and Trigonometry, will exempt from Higher Mathematics.

A pass in *English Language and Literature, History and Geography*, with Distinction in *English Language and Literature*, will exempt from English.

A pass in *Latin* or *Greek* will exempt from Lower Latin or Lower Greek.

A pass in *Algebra* and *Geometry* will exempt from Lower Mathematics.

(3) *Junior Local Examinations.*

Distinction in *Mathematics* will exempt from Lower Mathematics.

## V. LONDON UNIVERSITY EXAMINATIONS.

(1) *Matriculation Examination.*

A pass in *Latin* or *Greek* will exempt from Lower Latin or Lower Greek.

A pass in *Mathematics* will exempt from Lower Mathematics.

A pass in *Mechanics* will exempt from Dynamics.

A pass in the Honours or First Division in *English* will exempt from English.

(2) *Intermediate Examination.*

A pass in *Latin* or *Greek* will exempt from Higher Latin or Higher Greek.

A pass in *French* or *German* will exempt from French or German.

A pass in *English* will exempt from English.

A pass in *Mathematics* will exempt from Intermediate and Higher Mathematics.

#### VI. JOINT MATRICULATION EXAMINATION OF THE UNIVERSITIES OF MANCHESTER, LIVERPOOL, LEEDS, AND SHEFFIELD.

A pass in *Latin*, *Greek*, or *Mathematics* will exempt from Lower Latin, Lower Greek, or Lower Mathematics.

A pass in Class I. in *English*, *Latin*, *Greek*, *Mathematics*, *French*, or *German*, will exempt from English, Higher Latin, Higher Greek, Higher Mathematics, French, or German.

#### VII. BIRMINGHAM UNIVERSITY MATRICULATION.

A pass in *Latin*, *Greek*, or *Mathematics* will exempt from Lower Latin, Lower Greek, or Lower Mathematics.

A pass in Class I. in *English*, *Latin*, *Greek*, *Mathematics*, *French*, or *German*, will exempt from English, Higher Latin, Higher Greek, Higher Mathematics, French, or German.

### IRELAND.

#### VIII. INTERMEDIATE EDUCATION BOARD FOR IRELAND.

Honours in *Latin*, *Greek*, or *Mathematics* in the Senior Grade Examination will exempt from Higher Latin, Higher Greek, or Higher Mathematics.

Honours in *French* or *German* will exempt from French or German.

A pass with 55 per cent. of the marks in *English* will exempt from English.

### OVERSEAS DOMINIONS, ETC.

#### IX. THE BRITISH EMPIRE OVERSEAS.

Candidates from British Dominions, Colonies, Dependencies and Protectorates who present evidence that they have passed examinations which would admit them to Universities or to Technical Colleges affiliated to a University in the Dominion, Colony, Dependency or Protectorate from which they come will be exempted from the Preliminary Examination in Arts or Science subject to the following conditions:—

(a) That there is evidence to show that their knowledge of English is sufficient to enable them to follow the courses of instruction with profit.

(b) That, before attending any Class in English, Latin, Greek, French, German, or any other language, they shall have satisfied all the requirements laid down by Ordinance or by Regulation of the University for attendance on such classes.

(c) That, before attending any class in Mathematics or Natural Philosophy, they shall have satisfied all the requirements laid down by Ordinance or by Regulation of the University for attendance on such classes.

(d) That candidates for degrees in Engineering shall produce evidence of a knowledge of Mathematics equivalent to that required in Higher Mathematics in the Preliminary Examination.

*Note.*—In the case of candidates from India applying for exemption from the Preliminary Examination in Engineering the Joint Board will accept as evidence of a sufficient knowledge of Mathematics a satisfactory pass in the Intermediate Examination of any of the Indian Universities. A note of the marks obtained in this examination by the applicant must be communicated to the Convener of the Board.

The Final Examination for Degree in Engineering of the College of Science, Poona, will be accepted as exempting from the Preliminary Examination in Science (Engineering).

## FOREIGN COUNTRIES.

### X. FRANCE.

The Baccalauréat-ès-Lettres and the Baccalauréat-ès-Sciences will exempt from the Arts and Science Preliminary Examinations respectively.

### XI. OTHER EUROPEAN COUNTRIES.

Certificates of Maturity or Grades similar to the French Baccalauréat which would entitle the holder to enter upon a regular course of study in the Universities of his own country will exempt from the Preliminary Examination in Arts and Science.

### XII. MISCELLANEOUS.

Argentine Certificates giving admission to the University of Buenos Aires will be accepted.

The Examinations comprised in the Arts Curriculum of the St. John's University, Shanghai, taken and passed by Graduates in Arts (B.A.) of that University, will be accepted.

The First Class Certificates of the Anglo-Chinese College, Amoy, will be accepted.

*Candidates who are exempted in any subject or subjects of the Preliminary Examination shall be deemed to have passed the Preliminary Examination when they have passed in the remaining subjects required by Ordinance, Provided that all such remaining subjects shall be passed at one or not more than two Preliminary Examinations.*

### ORDINARY DEGREE.

VI. The Curriculum for the Ordinary Degree of Master of Arts shall consist either of five or of six subjects, which shall be studied by attendance on qualifying courses therein.

When a Curriculum of five subjects is chosen, two of these subjects shall each be studied by attendance during two sessions on qualifying courses therein, and the Degree Examinations in these two subjects shall be on a higher standard than the Degree Examinations in the other three subjects.

When a Curriculum of six subjects is chosen, one of the subjects shall be studied by attendance during two sessions on qualifying courses therein, and the Degree Examination in that subject shall be on a higher standard than the Degree Examinations in the other five subjects; and of these five subjects two shall be cognate subjects, and shall be studied by attendance in separate sessions on qualifying courses therein.

The Senate has directed that the names of the subjects which under this section can be studied by attendance during two sessions should be printed in **CAPITALS** in Section VIII.

The Senate has further directed that for the purposes of this section the following shall be deemed Cognate Subjects :—

Latin and Greek.	
Latin and French.	
Latin and Italian.	
Latin and Celtic.	
Latin and Roman Law.	
French and Italian.	
French and German.	
Hebrew and Arabic.	
Mathematics,	} any two.
Natural Philosophy,	
Chemistry,	
Mathematics and Astronomy.	
Botany,	} any two.
Zoology,	
Geology,	
Geography,	
Logic,	} any two.
Moral Philosophy,	
Education,	
Logic,	} any two.
Moral Philosophy,	
English,	
Logic and Political Economy.	
Moral Philosophy and Political Economy.	
History and English.	
History and Constitutional Law and History.	
History and Political Economy.	
History and Geography.	
History, and Scottish History and Literature.	
Scottish History and Literature, and English.	
Scottish History and Literature, and Constitutional Law and History.	
Scottish History and Literature, and Political Economy.	
Scottish History and Literature, and Geography.	

No combination of subjects, other than the above-mentioned, shall be recognised as cognate, unless the Senatus shall in the case of any particular candidate, and on special cause shown, have permitted the selection of a different combination; and in every such case the

Senatus shall make a report to the University Court setting forth the reasons for such permission.

VII. (1) A qualifying course in each subject shall consist of not less than 75 meetings of the full class on separate days, with additional meetings for tutorial or other supplementary instruction; except in cases (a) where the Senatus, with the approval of the University Court, shall have sanctioned half-courses of not less than 40 meetings of the full class on separate days, with additional meetings for tutorial or other supplementary instruction; or (b) where the Senatus, with the approval of the University Court, having regard to the nature of the subject, shall have sanctioned qualifying courses of less than 75 meetings of the full class, or half-courses of less than 40 meetings of the full class, respectively, with additional meetings for tutorial or other supplementary instruction.

(2) Two half-courses so sanctioned, either in one subject or in two cognate subjects, or a qualifying Honours Course as hereinafter defined, shall be held to be equivalent to a qualifying course in such cases as the Senatus, with the approval of the University Court, may determine, and under such regulations as may from time to time be made for that purpose by the same authority.

(3) Where a subject is taught in a practical class, as well as in a systematic class, the Senatus, with the approval of the University Court, shall regulate the course of study and determine the relative proportion of lectures and laboratory or practical work.

VIII. The Departments of Study for graduation in Arts shall include the following subjects, with such additions thereto or modifications therein as may hereafter be made by the Senatus, with the approval of the University Court; provided always that no subject shall be included unless a qualifying course shall have been established therein :—

#### 1. LANGUAGE AND LITERATURE.

LATIN.	FRENCH.	HEBREW.
GREEK.	GERMAN.	ARABIC.
ENGLISH.	ITALIAN.	CELTIC.

#### 2. SCIENCE.

MATHEMATICS.	Zoology.
NATURAL PHILOSOPHY.	Botany.
Astronomy.	Geology.
Chemistry.	Geography.

#### 3. MENTAL PHILOSOPHY.

LOGIC AND METAPHYSICS.	POLITICAL ECONOMY.
MORAL PHILOSOPHY.	Education.

#### 4. HISTORY AND LAW.

HISTORY.	CONSTITUTIONAL LAW AND HISTORY.	Roman Law.
	SCOTTISH HISTORY AND LITERATURE.	

N.B.—The New Arts Ordinance reproduced the list of Subjects contained in Ord. No. 11. The list given above is a modification made by the Senate.



IX. The Senatus, with the approval of the University Court, shall have power to make from time to time Regulations regarding the definition and grouping of the subjects in the several Departments of Study, their selection for the Curriculum, their classification as cognate, and the order in which they are to be studied, and also regarding the standards of the Degree Examinations and the conditions of admission thereto.

#### REGULATIONS.

A. The Senate have made the following regulations in regard to Curricula and the Order of Study :—

#### CURRICULUM.

I. Every candidate for a Degree in Arts shall select one of the following curricula—

(1) One subject from each of the following pairs—

Latin or Greek.  
Mathematics or Natural Philosophy.  
Logic or Moral Philosophy.

Apart from these limitations the student may select his remaining subjects from those enumerated in Section VIII.

or (2) Both Mathematics and Natural Philosophy, together with one subject from each of the following groups—

Logic or Moral Philosophy.  
French or German or Italian or Hebrew or Arabic or Celtic.

Apart from these limitations the student may select his remaining subject or subjects from those enumerated in Section VIII.

or (3) Any two of the following languages—Latin, Greek, French, German, Italian, Hebrew, Arabic, Celtic, together with one subject from each of the following groups—

Logic or Moral Philosophy.  
Chemistry or Zoology or Botany or Geology or Geography.

Apart from these limitations the student may select his remaining subject or subjects from those enumerated in Section VIII.

or (4) History, with one of the following subjects—

Political Economy or  
Constitutional Law and History or  
Scottish History and Literature ;

together with one subject from each of the following groups—

Latin or Greek or French or German or Italian.  
Mathematics or Natural Philosophy or Astronomy or  
Chemistry or Zoology or Botany or Geology or Geography.

Logic or Moral Philosophy.

Apart from these limitations the student may select his remaining subject from those enumerated in Section VIII.

II. Not more than three languages other than English, and not more than two double courses or three single courses in the department of Science are to be included in any Curriculum.

Not more than two double courses or three single courses in the group—History, Political Economy, Constitutional Law and History, Scottish History and Literature—are to be included in any Curriculum.

#### ORDER OF STUDY.

The following rules shall be observed—

1. Roman Law shall be preceded by at least one course in Latin.
2. Education shall be preceded by or taken concurrently with a course in either Logic or Moral Philosophy.
3. Astronomy shall be preceded by at least one course in Mathematics.
4. Scottish History and Literature shall be preceded by, or accompanied by, a course in History.

B. The Senate have made the following regulation:

In the Ordinary Classes of Greek and Latin the results of Class examinations conducted under Degree-examination conditions may be counted for the Ordinary Degree; and any candidate who shall satisfy the Degree Examiners at a Class Examination so conducted may reckon such a pass as giving exemption *pro tanto* from the Prescribed Books Sections of the Ordinary Degree Examinations.

C. The Senate have made the following regulation:

Any Master of Arts may be admitted to examination in one or more of the subjects enumerated in Section VIII., and should he attain therein the standard required of candidates for the Ordinary Degree of Master of Arts he shall be entitled to receive a certificate to that effect.<sup>1</sup>

X. The University Court shall communicate to the General Council all additions and modifications relating to the Departments of Study, and all Regulations, made by the Senatus in pursuance of Sections VIII. or IX. hereof; and any representation made thereon by the General Council within two months from the date of such communication shall be taken into consideration by the University Court before any such addition, modification, or Regulation is approved.

XI. Candidates who produce certificates that they have satisfied all the conditions prescribed by this Ordinance, and who have passed the necessary Examinations and paid the required fees, shall be entitled to receive the ordinary Degree of Master of Arts.

XII. For the ordinary Degree of Master of Arts the graduate shall receive a Diploma, wherein shall be set forth the subjects in which he has passed.

<sup>1</sup> Candidates must have attended qualifying classes in the proposed subjects of examination, and must present the same certificates as are required in Section XXII. of this Ordinance. The Examination Fee for each subject is One Guinea. Candidates are required to enter their names and to pay this fee not later than the dates applicable in these respects to the Arts Degree Examinations.

## DEGREE WITH HONOURS.

XIII. (1) The Degree of Master of Arts may be taken with Honours in one or more recognised Groups of subjects.

(2) The recognised Groups of subjects for graduation in Arts with Honours shall be the following, with such additions thereto or modifications therein as may hereafter be made by the Senatus, with the approval of the University Court; provided always that no Group shall be recognised unless qualifying Honours courses, conducted by separate Professors or Lecturers, shall have been established in at least two of the subjects thereof :

(a) Classics [*i.e.* Latin and Greek with optional subjects such as Comparative Philology, Ancient Philosophy, Ancient History, and Classical Archaeology].

(b) Philosophy [*i.e.* Logic, Moral Philosophy, English Literature : any two of these].

(c) Mathematics and Natural Philosophy [*i.e.* Pure Mathematics, Natural Philosophy, Astronomy : any two of these].

(d) English [*i.e.* English Literature, with Language and History as subsidiary subjects].

(e) History [*i.e.* General European History and British History, Constitutional and Political].

(f) Economics [*i.e.* Political Economy, with *either* Logic, *or* Moral Philosophy, *or* History].<sup>1</sup>

(g) French and German (Language and Literature).

(h) French, Italian, Latin (Language and Literature) : any two of these.

(i) Germanic Language [*i.e.* German Language and Literature, with English Language].

(j) Celtic Language and Literature [*i.e.* Ancient and Modern Celtic, with Latin].

(k) Semitic Language and Literature [*i.e.* Hebrew and Arabic].

N.B.—The new Arts Ordinance reproduced the list of Groups contained in Ord. No. 11. The list given above is a modification made by the Senate.

(3) The Senatus, with the approval of the University Court, shall have power to make from time to time Regulations regarding the definition and grouping of the subjects in the several recognised Groups, their selection for the Curriculum, their classification as cognate, and the order in which they are to be studied, and also regarding the standard of the Honours Examinations and the conditions of admission thereto; provided always that the following conditions are observed :

(a) That a candidate for Honours in one Group shall be required to attend four qualifying courses in the subjects of his Group (of which two shall be Honours courses conducted by separate Professors or Lecturers), and also to attend qualifying courses in two subjects other than those of his Group.

<sup>1</sup> See "Economic Science," page 278.

(b) That a candidate for Honours in two Groups which include a subject common to both shall not be required to attend qualifying courses in more than one subject other than those of his Groups;

(c) That a candidate for Honours in two Groups which include no subject common to both shall not be required to attend qualifying courses in any subject other than those of his Groups.

(4) The Degree Examinations in the subjects included in the candidate's Group or Groups shall be of the Honours standard, and in the other subjects or subject (if any) shall be of the standard required for the ordinary Degree.

Under this Section XIII. the Senate in 1909, besides modifying the Groups, made the following Regulations :

A. A candidate may present himself for the Honours Examination in any group at any time after he has attended the required courses of study in the subjects of his group, whether he has already graduated in Arts or not; but he shall not present himself a second time for examination in the same group except with leave of the Senatus on special cause shown.

B. No combination of subjects, other than the above-mentioned groups, shall be recognised as an Honours Group, unless the Senatus shall in the case of any particular candidate, and on special cause shown, have permitted the selection of a different combination; and in every such case the Senatus shall make a report to the University Court setting forth the reasons for such permission.

C. The subjects, other than those of his group, in which a candidate is required to attend qualifying courses, may be selected from any of the departments of study for graduation in Arts: provided that a candidate for Honours in group (c) shall be required to select those subjects from a department or departments other than that of Science.

#### D. TEMPORARY PROVISION.

Any Graduate of the University who graduated before the first day of October, 1909, may, with the permission of the Senatus, be admitted to examination in one or more of the subjects of an Honours Group; and should he attain therein the standard required of candidates for Honours, he shall be entitled to receive a Certificate of Proficiency in that subject or subjects, but his name shall not be placed in any Class.<sup>1</sup>

XIV. (1) A qualifying Honours course in each subject shall consist of not less than 50 meetings of the full class, to be held on separate days during two or more terms.

(2) The Senatus, with the approval of the University Court, shall have power to sanction half-courses for Honours in any subject. A half-course shall consist of not less than 25 meetings of the full class, to be held on separate days during one or more terms; and two

<sup>1</sup> The Examination Fee for a Certificate of Proficiency, payable on each occasion of entry, is Two Guineas. Candidates are required to enter their names and to pay this fee not later than the date applicable in these respects to the Honours Examinations.

half-courses so sanctioned, either in one subject or in two cognate subjects, shall be held to be equivalent to a qualifying Honours course in such cases as the Senatus, with the approval of the University Court, may determine, and under such regulations as may from time to time be made for that purpose by the same authority.

(3) Where a subject is taught in a practical class, as well as in a systematic class, the Senatus, with the approval of the University Court, shall regulate the course of study and determine the relative proportion of lectures and laboratory or practical work.

XV. The University Court shall communicate to the General Council all additions and modifications relating to the recognised groups of subjects for Honours, and all regulations, made by the Senatus in pursuance of Section XIII. subsections (2) and (3) hereof; and any representation made thereon by the General Council within two months of the date of such communication shall be taken into consideration by the University Court before any such addition, modification, or regulation is approved.

XVI. (1) In each Group there shall be three grades of Honours, to be denominated respectively the First, the Second, and the Third Class. The names of the candidates entitled to Honours in each class shall be arranged in alphabetical order.

(2) For the Degree of Master of Arts with Honours, the graduate shall receive a Diploma wherein shall be set forth the subjects in which he has passed with Honours, and those (if any) in which he has passed on the standard required for the ordinary Degree.

(3) A candidate for the Degree of Master of Arts with Honours who has failed to be placed in any Class shall, provided that in the opinion of the Examiners he has given evidence of sufficient attainments in any subject for the ordinary Degree of Master of Arts, receive from them a certificate that he has passed in such subject, which certificate shall entitle him to exemption *pro tanto* from the corresponding part of the Examination required for the ordinary Degree of Master of Arts.

#### BOARDS OF STUDIES.

XVII. The Senatus shall from time to time institute Boards of Studies corresponding in general to the several Departments of Study, or to any two or more of such Departments.

XVIII. Each Board of Studies shall consist of such Members of the Senatus and Lecturers in the University as the Senatus may from time to time select, and the Senatus shall appoint one of the Members of the Board to be Convener thereof.

XIX. Before the end of each session each Professor and Lecturer in each of the several Departments of Study shall submit to the proper Board of Studies for its approval a syllabus of the subjects and books proposed for the work of his classes and also a syllabus of the subjects and books to be prescribed for the Examinations for the

ordinary Degree in the next academical year, and a syllabus of the subjects and books to be prescribed for the Examinations for the Honours Degree in the academical year next but one. As soon as such approval has been given, each syllabus shall be transmitted to the Faculty of Arts for its consideration. Each syllabus, with such observations as the Faculty of Arts may see fit to make thereon, shall then be transmitted to the Senatus for its sanction.

XX. Before the end of each session each Board of Studies shall prepare a scheme defining, for the academical year next but one following, the courses which shall be recognised as Honours courses, and the subjects and courses of reading for Honours in its Department or Departments, and shall report the same to the Faculty of Arts for its consideration. Each scheme, with such observations as the Faculty of Arts may see fit to make thereon, shall then be transmitted to the Senatus for its sanction.

XXI. The Principal and the Dean of the Faculty of Arts shall be *ex officio* Members of each Board of Studies. The Convener shall preside if present, and in his absence each meeting shall appoint its own Chairman; and the Convener or Chairman, as the case may be, shall have a deliberative and, in cases of equality, a casting vote.

#### GENERAL.

XXII. A candidate for the Degree of Master of Arts shall not be deemed to have attended a qualifying course as part of the Curriculum for that Degree who does not present a certificate bearing not only that he has regularly attended the class, but also that he has duly performed the work thereof.<sup>1</sup>

XXIII. A student, who has given attendance at courses recognised as qualifying for graduation during one or more sessions in any one or more of the Scottish Universities, may complete his Curriculum by giving attendance during the remainder of his course in the University of Glasgow, and may proceed to a Degree in that University in the same way, in all respects, as if the previous part of his Curriculum had been taken therein: provided always that no such student shall be admitted to a Degree in the University of Glasgow unless he has given attendance on qualifying courses therein during the last session of his Curriculum. Further, the Senatus may accept, under such conditions as they may from time to time prescribe, attendance given and Examinations passed at other Universities specially recognised by the University Court, after consultation with the Senatus; provided always that every student, whose attendance or Examinations are thus accepted, shall attend

<sup>1</sup>Class Tickets in the Faculty of Arts (Three Term Session).—The Senate at a meeting on 29th April, 1909, resolved that, unless by the permission of the Senate given on consideration of the special case, a student shall not receive for any class a ticket or certificate of attendance if he or she has been absent altogether for more than six weeks out of the twenty-five weeks of the teaching period in Arts, or for more than three weeks in any one term, even though a medical certificate of illness shall have been produced for the time or times of absence.

qualifying courses for at least two sessions<sup>1</sup> in the University of Glasgow, and shall pass the Degree Examinations of the University in the subjects so studied.

XXIV. The Degree of Master of Arts shall in no case be conferred on students who have not satisfied the conditions hereinbefore set forth, and shall not be conferred *honoris causâ tantum*.

But the Senatus shall have power to admit (*ad eundem gradum*) to the Degree of Master of Arts, and to all the privileges thereof, any person who has already received that degree from another University, provided that he is of distinguished merit or has been appointed to an academic office in the University of Glasgow.

XXV. Students may attend any classes without having passed the Preliminary Examination within the meaning of this Ordinance, but such attendance shall not qualify for graduation.

XXVI. From and after the date at which this Ordinance comes into operation Ordinances numbered 12, 14, 18 and 69 of the Commissioners under the Universities (Scotland) Act, 1858, as altered under the provisions of the said Act, and Ordinances numbered 11, 44, 148, 160, and 168, all of the Commissioners appointed under the Universities (Scotland) Act, 1889, and Ordinance General No. 1 of the University Courts of the Scottish Universities are hereby repealed as regards the University of Glasgow in so far as they are inconsistent with this Ordinance, and any references made in existing Ordinances applicable to the University of Glasgow to the said repealed Ordinances shall be deemed to refer to this Ordinance and the corresponding sections and subsections thereof; provided always that a student who, at the date at which this Ordinance comes into operation, has already commenced his course of study with a view to graduation in Arts in the University of Glasgow under the regulations in force at the time in that University, may complete his course and become a candidate for the Degree of Master of Arts, with or without Honours, in conformity with such regulations.

XXVII. This Ordinance shall come into operation at the beginning of the academical year next following that in which it is approved by His Majesty in Council.

[Approved on 5th May, 1908.]

<sup>1</sup> Defined by the Senate on 3rd June, 1909, to mean that the Candidate must attend not fewer than two courses in each of the two sessions in the University of Glasgow.

SYLLABUS OF EXAMINATIONS FOR THE ORDINARY DEGREE OF MASTER OF ARTS  
ACCORDING AS THE CANDIDATES HAVE STUDIED A SUBJECT FOR ONE OR TWO  
SESSIONS.

IN	SINGLE-COURSE STUDENTS.	DOUBLE-COURSE STUDENTS.
<p>LATIN</p>	<p>The Examination will comprise four papers, each of two hours, viz.:</p> <p>I. Unprepared Translation.</p> <p>II. * General Paper on History, Antiquities, Latin Language and Literature, with especial reference to the subject matter of the Prescribed Books.</p> <p>III. * Prescribed Books.</p> <p>IV. * <i>Either</i> Latin Prose Composition, <i>or</i>, as a subject to be offered in substitution thereof, Roman Britain.</p> <p>* <i>Schedule</i> :</p> <p>II. The textbook recognized for Roman History is How and Leigh's <i>History of Rome</i>. The period prescribed is from B.C. 202 to A.D. 37.</p> <p>III.</p> <p>October, 1916.</p> <ol style="list-style-type: none"> <li>1. TERENCE, <i>Phormio</i>.</li> <li>2. VARRO, <i>Res Rusticæ</i>, Bk. III.</li> <li>3. CICERO, Tyrrell's Selection of the Letters.</li> <li>4. VIRGIL, <i>Georgics</i> IV.</li> <li>5. SENECA, <i>Dialogues</i> X., XI., XII.</li> </ol> <p>May and October, 1917.</p> <ol style="list-style-type: none"> <li>1. TERENCE, <i>Adelphi</i>.</li> <li>2. SALLUST, <i>Bellum Jugurthinum</i>.</li> <li>3. VIRGIL, <i>Aeneid</i>, VIII.</li> <li>4. HORACE, <i>Epistles</i>, Bk. I.</li> <li>5. LIVY, Book IX.</li> </ol> <p>IV. For the subject of ROMAN BRITAIN the following is prescribed : text and subject matter of Caesar <i>Bellum Gallicum</i>, IV. 20 to V. 24, and of Tacitus, <i>Agriicola</i>; and a general knowledge of the Roman Occupation, with especial regard to Scotland.</p> <p>Candidates should apply to the Lecturer in Roman History for a list of books recommended for study.</p>	<p>(See next page.)</p>



IN	DOUBLE-COURSE STUDENTS.	
	Either LANGUAGE AND LITERATURE.	<p>1. Prose Composition.</p> <p>2. Unprepared Translation.</p> <p>3. General Paper in History, Antiquities, Literature, etc., with special reference to the Named Authors.</p> <p>4.* Prescribed Books (Translation).</p> <p>5. " (Questions).</p> <p>6.† Named Authors (Translation).</p> <p>* Viz.: VIRGIL, <i>Ecloques and Georgics</i>. HORACE, <i>Satires, Epistles</i>, and <i>Ars Poetica</i>. PLAUTUS, <i>Capivi</i>. CICERO, <i>Tusculan Disputations</i>.</p> <p>† TERENCE. CATULLUS with TRIBULLUS, I., II., and PROPERTIUS, III., IV. CICERO, <i>Orationes only</i> or QUINTILIAN.</p> <p>Candidates will only be required to translate, not to explain, the passages from Named Authors. They will be expected to have sufficient general knowledge of these authors to be able to translate an average, not an exceptionally difficult, passage.</p>
	Or, ROMAN HISTORY AND ANTIQUITIES.	<p>i. Unprepared Translation.</p> <p>ii. General Roman History, Geography and Antiquities.</p> <p>iii. A special period to be studied in prescribed texts.*</p> <p>iv. Roman Military and Provincial Administration with special reference to Gaul, Germany, and Britain.†</p> <p>v. Prescribed Texts (Translation).</p> <p>* The following periods are prescribed in alternate years:</p> <p>A. From the Battle of Actium to the death of Nero (31 B.C. to 68 A.D.). Prescribed Texts: Suetonius, <i>Augustus with the Monumentum Ancyranum</i>. Tacitus, <i>Annals</i>, I. and XI.-XVI. Selected Inscriptions.</p> <p>B. From the death of Nero to the death of Marcus Aurelius (A.D. 68 to 180). Prescribed Texts: Tacitus, <i>Historias</i> and <i>Agricola</i>. Suetonius, <i>Lives of Vespasian and Domitian</i>. Pliny, selected <i>Letters</i>. Selected Inscriptions.</p> <p>For 1917 Period A is prescribed for candidates for the Higher Ordinary Degree in Latin. Candidates for Honours in Latin or in History may select either period.</p> <p>† Prescribed documents: Tacitus, <i>Agricola</i>. Pliny, <i>Correspondence with Trajan</i>. Selected Inscriptions. The Roman Collection in the Hunterian Museum.<sup>1</sup></p> <p><sup>1</sup> This part of the examination will be conducted <i>via vocc</i>.</p>

IN	SINGLE-COURSE STUDENTS.	DOUBLE-COURSE STUDENTS.
GREEK	<p>Prose Composition. Unprepared Translation. Translation of Prescribed Books. Questions on Prescribed Books and on Bury's <i>History of Greece</i>, Grammar, etc. The Prescribed Books are :—</p> <p>1916.</p> <p>HOMER, <i>Iliad</i>, XXIV. EURIPIDES, <i>Electra</i>. PLATO, <i>Laches</i> and <i>Charmides</i>. DEMOSTHENES, <i>de Corona</i>.</p> <p>1917.</p> <p>HOMER, <i>Iliad</i>, XXI., XXII. EURIPIDES, <i>Iphigenia in Tauris</i>. PLATO, <i>Protagoras</i>. ANDOCIDES, <i>de Mysterioris</i> and <i>de Reditu</i></p>	<p><i>Either</i> LANGUAGE AND LITERATURE—</p> <p>Prose Composition. Unprepared Translation. Translation of Prescribed Books. Questions on Prescribed Books and on History, Literature, etc. The Prescribed Books are :—</p> <p>1916.</p> <p>HOMER, <i>Odyssey</i>, XXI.-XXIII. SOPHOCLES, <i>Electra</i>. PLATO, <i>Republic</i> VI. THEOPHRASTUS, <i>Characters</i>. HYPEREIDES, extant remains.</p> <p>1917.</p> <p>HOMER, <i>Odyssey</i>, V.-VII. ARISTOPHANES, <i>Frogs</i>. EURIPIDES, <i>Heracleidae</i>. PLATO, <i>Phaedo</i>. DEMOSTHENES, <i>de Falsa Legatione</i>.</p> <p>Or GREEK HISTORY AND ARCHAEOLOGY. } See next page. Or HELLENISTIC GREEK.</p>

IN	DOUBLE-COURSE STUDENTS.	
	Or GREEK HISTORY AND ARCHAEOLOGY.	Or HELLENISTIC GREEK
GREEK	<p><b>1916.</b></p> <p>Text Books: Bury, <i>History of Greece</i>; Aristotle's <i>Politics</i>, translated by Jowett, Oxford, 1905; Greenidge, <i>Handbook to Greek Constitutional History</i>. Prescribed Texts: HERODOTUS, vii. 172-183, 188-238, viii. 1-25, 49-97. AESCHYLUS, <i>Persae</i>. ARISTOTLE, <i>Constitution of Athens</i>, 1-22.</p> <p><b>1917.</b></p> <p>Text Books: Bury, <i>History of Greece</i>; Greenidge, <i>Handbook to Greek Constitutional History</i>. Prescribed Texts: THUCYDIDES, I., 31-44, 66-88, 118-125, 139-146; II., 34-46, 59-65; III., 8-19, 25-50. ARISTOPHANES, <i>Acharnians</i>. PLUTARCH, <i>Life of Pericles</i>. Selected Inscriptions.</p> <p>Candidates are further recommended to read Myres, <i>The Dawn of History</i> (Home University Library); Hogarth, <i>Jonian and the East</i>; Grundy, <i>The Great Persian War</i>; How and Wells, <i>A Commentary on Herodotus</i>; Zimmern, <i>The Greek Commonwealth</i>.</p>	<p><b>1917.</b></p> <p>St. Luke's Gospel. Epistle to the Ephesians. Dionysius of Alexandria. Plutarch's <i>Life of Pericles</i>. Lucian, <i>Iacomenippus</i>. Griechische Papyri (Lietzmann's Kleine Texte). Milligan's Selections from the Papyri. The Class Lectures on Hellenistic Language, Literature and Philosophy.</p>

IN	SINGLE-COURSE STUDENTS.	DOUBLE-COURSE STUDENTS.
ENGLISH LITERATURE	<p><b>October, 1916.</b></p> <p>The subjects prescribed for study in the class. See Syllabus prescribed for 1915-16.</p>	<p><b>October, 1916.</b></p> <p>The subjects prescribed for study in the class. See Syllabus for 1915-16.</p>
	<p><b>May and October, 1917.</b></p> <p>The subjects prescribed for study in the class. See p. 89.</p> <p>Students are advised to present themselves at the May or the October examination immediately following their Course, as the subjects studied in the class will be changed from year to year.</p>	<p><b>May and October, 1917.</b></p> <p>The subjects prescribed for study in the class (see p. 89).</p> <p>or</p> <p>(if the student has attended the <i>Language</i> Class—see p. 90.)</p> <p><b>1916 and 1917.</b></p> <p>I. General History of English Language, with special reference to the development of Standard English.</p> <p>II. Grammar of Old and Middle English, with special reference to the texts read.</p> <p>III. Translation of specified texts * in Old and Middle English. A passage or passages of easy Old English prose may be set for sight translation.</p> <p>* I. Sweet: <i>Anglo-Saxon Reader</i>, I-XVIII, XXI-XXIII.</p> <p>II. (a) O. F. Emerson: <i>Middle English Reader</i>. (b) <i>Havelok the Dane</i>. (c) Chaucer, <i>Prologue</i> and <i>Knight's Tale</i>.</p>

IN	SINGLE-COURSE STUDENTS.	DOUBLE-COURSE STUDENTS.
<p>I. Unseen Translation and Prose Composition.</p> <p>II. Questions on Language, Historical Grammar, and Versification, with special reference to the prescribed books and French Syntax. (See p. 92).</p> <p>III. Essay in French on the subjects of the Class Lectures.</p> <p>IV. Oral Examination.—(a) Reading and explanation of a passage taken from the prescribed books. (b) Conversation in French on the subjects of the Class Lectures. (See p. 92).</p>	<p>I. Unseen Translation and Prose Composition.</p> <p>II. Questions on Language, Historical Grammar, and Versification, with special reference to the prescribed books and French Syntax. (See p. 92).</p> <p>III. Essay in French on the subjects of the Class Lectures.</p> <p>IV. Oral Examination.—(a) Reading and explanation of a passage taken from the prescribed books. (b) Conversation in French on the subjects of the Class Lectures. (See p. 92).</p>	<p>I. Unseen Translation and Prose Composition.</p> <p>II. Questions on Language, Historical Grammar, and Versification, with special reference to the prescribed books. (Morphology of the French Language and Semantics; see p. 92.)</p> <p>III. History of French Literature, 1600-1900.</p> <p>IV. Essay in French on the subjects of the Class Lectures. (See p. 92.)</p> <p>V. Oral Examination.—(a) Reading and explanation of a passage taken from the prescribed books. (b) Conversation in French on the subjects of the Class Lectures. (See p. 92.)</p>
FRENCH	<p>1917.</p> <p>Cornille, <i>Le Cid</i>, Cinna (Hachette).</p> <p>Racine, <i>Britannicus</i> (Hachette).</p> <p>La Fontaine, <i>Fables</i> (Nelson).</p> <p>Molière, <i>Les Femmes savantes</i> (Hachette).</p> <p>Mme. de Sévigné, <i>Lettres</i> (Nelson).</p> <p>Rousseau, <i>Morceaux Choisis</i> (Didier).</p> <p>Bernardin de Saint-Pierre, <i>Paul et Virginie</i> (Nelson).</p> <p>Chateaubriand, <i>Atala</i>, <i>René</i> (Nelson).</p> <p>Balzac, <i>Le Père Goriot</i> (Nelson).</p> <p>Flaubert, <i>Salammbo</i>, <i>Trois Contes</i> (Nelson).</p> <p><i>Les Cent Meilleurs Poèmes Lyriques</i> (Gowans &amp; Gray).</p> <p>Victor Hugo, <i>Morceaux Choisis</i>, <i>Poésie</i> (Delagrave).</p>	<p>1917.</p> <p><i>La Chanson de Roland</i>, ed. G. Paris (Hachette).</p> <p><i>Ronsard et les Poètes de la Pléiade</i> (Gowans &amp; Gray).</p> <p>Cornuille, <i>Polyeucte</i> (Hachette).</p> <p>Racine, <i>Bérénice</i> (Bibl. Nationale. Pfleger).</p> <p>Molière, <i>Les Femmes savantes</i> (Hachette).</p> <p>La Rochefoucauld, <i>Maximes</i> (Deut).</p> <p>Voltaire, <i>Siècle de Louis XIV.</i> (Hachette).</p> <p>Rousseau, <i>Morceaux Choisis</i> (Didier).</p> <p>Lamartine, <i>Jocelyne</i> (Oxford Press).</p> <p>Victor Hugo, <i>Morceaux Choisis</i>, <i>Poésie</i> (Delagrave).</p> <p>Mérimee, <i>La Chronique de Charles IX.</i> (Nelson).</p> <p>E. &amp; J. de Goncourt, <i>Pages Choisis</i> (Colin).</p> <p>Barres, <i>Colette Baudouche</i> (E. Paul).</p> <p>Maeterlinck, <i>Morceaux Choisis</i> (Nelson).</p> <p>Balzac, <i>Le Père Goriot</i> (Nelson).</p> <p>Fromentin, <i>Dominique</i>.</p>

IN	SINGLE-COURSE STUDENTS.	DOUBLE-COURSE STUDENTS.
	<p style="text-align: center;"><b>October, 1916.</b></p> <p>(1) Unseen Translation and Prose Composition.  (2) History of the German Language.  (3) General Outline of German Literature: special period, 1745-1832.  (4) Lessing, <i>Minna, Nathan</i>; Goethe, <i>Gedichte</i>, <i>Götz</i>, <i>Iphigenie</i>, <i>Tasso</i>; Schiller, <i>Gedichte</i>, <i>Maria Stuart</i>, <i>Tell</i>.  (5) Oral examination.</p>	<p>(1) Unseen Translation and Prose Composition.  (2) History of the German Language and Historical German Grammar.  (3) General Outline of German Literature, with special knowledge of period 1745-1832, and of German drama.  (4) Selections from the German ballad and drama.  (5) <i>Das Nibelungenlied</i> (sel.).  (6) Oral Examination.</p>
<b>GERMAN</b>	<p style="text-align: center;"><b>1917.</b></p> <p>(1) Unseen Translation and Prose Composition.  (2) History of the German Language.  (3) General Outline of German Literature: special period, 1745-1832.  (4) Lessing, <i>Minna</i>; Goethe, <i>Gedichte</i>, <i>Hermann und Dorothea</i>, <i>Prose Selections</i>, <i>Götz</i>, <i>Tasso</i>; Schiller, <i>Gedichte</i>, <i>Jungfrau von Orléans</i>, <i>Braut von Messina</i>, <i>Wallenstein</i>.  (5) Oral Examination.</p>	<p style="text-align: center;"><b>1917.</b></p> <p>(1) Unseen Translation and Prose Composition.  (2) History of the German Language and Historical German Grammar.  (3) General Outline of German Literature, with special knowledge of period 1745-1832, and of German poetry.  (4) Selections from the German lyric, ballad, and Volkslied, and Schiller's dramas.  (5) Gottfried von Strassburg, <i>Tristan</i> (sel.).  (6) Oral Examination.</p>

IN	SINGLE-COURSE STUDENTS.	DOUBLE-COURSE STUDENTS.
ITALIAN	<p>1916, and until further notice.</p> <p>I. Translations into and from Italian.</p> <p>II. Questions on Language and Versification.</p> <p>III. Essay in Italian on one of the modern Italian writers studied during the session.</p> <p>IV. Oral Examination.</p>	<p>1916 and until further notice.</p> <p>Students taking Italian Higher should apply to the Lecturer.</p>

IN	SINGLE-COURSE STUDENTS.	DOUBLE-COURSE STUDENTS.
<p style="text-align: center;"><b>HEBREW</b></p>	<p style="text-align: center;"><b>October, 1916, AND March and October, 1917.</b></p> <p>GENESIS, Ch. XII.—XLI.; ESTHER; PSALMS, Books III. and IV. History of Israel, B.C. 854—B.C. 444 (H. P. Smith). History of the Literature (Kautsch) and Text (Weir) of the Old Testament. Unseen translation and pointing; Prose composition; Grammar and Accents.</p>	<p>I. Unseen translation and pointing. II. Prose composition. III. Prescribed books.<sup>1</sup> IV. Special period of literature and history, with introduction to special books.</p> <p style="text-align: right;"><sup>1</sup> For information apply to the Professor.</p>
<p style="text-align: center;"><b>ARABIC</b></p>	<p>Korān. <i>The Aḡurrūmiya</i>. Thornton's Second Reading Book. Al-Yazīji, Selected Makāmas. History and Literature:—Sale's Preliminary Dissertation on the Koran; Muir, Life of Mohammad. History of the Arabs and their literature to the death of the Caliph Othman. Unseen translation and pointing; prose composition; grammar, syntax, and prosody.</p>	<p>Thornton's Third Reading Book. Tabari in Semitic Studies Series. Majānī 'l Adab, Vol. VI. Selections from Old Poetry, Abn' l-'Alā and Mutanebbi. Baidāwī, Commentary on Sūra X. Nasif al-Yazīji, Selected Makāmas. History and Literature to the Fall of Bagdad (Gibbon or Muir).</p>



## CELTIC

I. Unprepared Translation from Modern Scottish Gaelic.  
 II. Gaelic Prose Composition: or, alternatively, an Essay in Gaelic on a given subject connected with Gaelic or the Highlands.  
 III. A General Paper on the History, Antiquities, Gaelic Language and Literature, with special reference to the subject matter of the Prescribed Books.

*The Literature of the Highlands*, by Prof. Magnus Maclean; The Biographical Sketches in *The Beauties of Gaelic Poetry*, by John MacKenzie, are recommended.

## IV. Prescribed Books:

- (1) *The Songs of Iain Lom*.
- (2) *The Gaelic in the Book of Deer*.<sup>1</sup>
- (3) *Goidel mac n-Uisnig*.<sup>1</sup>
- (4) Atkinson's *The Passions and the Homilies from the Leabhar Breac*, pp. 50-51.

(1) The Introduction, Historical Notes, and Note on the Metrics of the Edinburgh Edition, 1912, should be read.

(2) A translation and notes by Dr. Alex. MacBain, are published in *Scoto-Celtic Studies, Essays and Papers*, pp. 67-96.

(3) The older version, Advocates' Library MS., 53, is published with translation by Dr. W. H. Stokes in *Frösche Texte*, II. 109-183.

The more modern version, Advocates' Library MS. 56, with translation by Dr. Cameron in *Reliquiae Celticae*, II. pp. 421-463.

<sup>1</sup> Matriculated students may obtain copies of these texts and of *The Book of Clanranald* and of *Outlines of Gaelic Grammar*, gratis from the Lecturer.

1. Unprepared Translation from Modern and easy Middle Gaelic.

2. Gaelic Prose Composition: or, alternatively, an Essay in Gaelic on a given subject connected with Gaelic or the Highlands.

3. A General Paper on the History, Antiquities, Gaelic Language and Literature, with special reference to the subject matter of the Prescribed Texts.

Dr. Magnus Maclean's *The Literature of the Highlands*, and *The Literature of the Celts*; and John MacKenzie's Biographical Sketches in *The Beauties of Gaelic Poetry*, are recommended.

## 4. Prescribed Books:

- (1) Carswell's *The Book of Common Order*, pp. 1-100.
- (2) Keating's *Three Shafts of Death*, Bk. III.
- (3) Atkinson's *The Passions and the Homilies from the Leabhar Breac*, pp. 51-180.
- (4) Strachan's *Old Irish Glosses*.
- (5) *Macniamhartha Finn*.<sup>1</sup>

(6) Prof. Kuno Meyer published the text in *Revue Celtique*, V. 197-204; a translation in *Eriu*, I. 180-190; and the poem beginning "Cetle-mau, cain re," with translation and vocabulary in *Songs of Summer and Winter*, Nutt, 1903.

## LOGIC

The Class Lectures. Berkeley's *Principles of Human Knowledge* (in Fraser's *Selections from Berkeley*).

1916 and thereafter until further notice.

Candidates who have taken a second course in Logic will, in addition, be examined on either (a) the subjects, authors, or periods discussed in the lectures of the Higher Ordinary Class during the session in which the candidate has attended that class, or (b) the Class-Lectures and the books prescribed in Experimental Psychology.

IN	SINGLE-COURSE STUDENTS.	DOUBLE-COURSE STUDENTS.
MORAL PHILOSOPHY	<p>The Professor's and other Lectures during the session in which the student examined has attended the Moral Philosophy Class, the <i>Republic</i> of Plato, Carlyle's <i>Sartor Resartus</i> and H. Jones' <i>Idealism as a Practical Creed</i>.</p>	<p>1916 and thereafter until further notice.</p> <p>The subjects included in the student's single course, together with either (a) the Lectures in the Intermediate Class and the following books, viz., Aristotle's <i>Ethics</i>, Kant's <i>Metaphysics of Morals</i>, and Green's <i>Prolegomena to Ethics</i>, or (b) the Lectures in the combined class of Political Philosophy and Social Economics and the text-books prescribed for study in the class.</p>
POLITICAL ECONOMY	<p>The Lectures and Text-books of the session in which the student has attended the class.</p>	<p>1916 and thereafter till further notice.</p> <p>The Lectures in the combined class of Political Philosophy and Social Economics and the Text-books prescribed for study in the class.</p>

IN	SINGLE-COURSE STUDENTS.	DOUBLE-COURSE STUDENTS.
EDUCATION	The Class Lectures. Rousseau: <i>Emile</i> , I-III. Pestalozzi, <i>How Gertrude teaches her children</i> .	
MATHEMATICS	Geometry of Similar Figures and Elements of Higher Geometry. Algebra with graphical representation of functions, Trigonometry. Elements of Coordinate Geometry as treated in class.	(In addition to the single-course subjects.) More advanced Geometry and Algebra, including Elementary Theory of Equations and Infinite Series. Complex Numbers and De Moivre's Theorem. Elementary Coordinate Geometry and Calculus.
NATURAL PHILOSOPHY	The subjects explained in the Ordinary Class. Dynamics, Acoustics, Heat, Light, Magnetism, and Electricity.	The subjects taught in the Ordinary Class, and in Higher Class C. Questions will be set to test the candidate's knowledge of laboratory processes. As the special subjects studied in Class C may be slightly changed from year to year, students are advised to present themselves at the May or the October examination immediately following their attendance on that class.
ASTRONOMY	The Professor's Lectures during the session or sessions in which the student has attended the class, and Popular Astronomy.	

IN	SINGLE-COURSE STUDENTS.	DOUBLE-COURSE STUDENTS.
CHEMISTRY	<p>Theory: Principles of Chemistry. Chemistry of the Non-Metallic and the Principal Metallic Elements. Outlines of Organic Chemistry.</p> <p>Practical: Inorganic preparations. Qualitative analysis, including mixtures.</p>	
ZOOLOGY	<p>The Elementary Lectures and Practical Work, together with the Spring Course.</p> <p>Text-books by Shipley &amp; MacBride or Sedgwick; Marshall &amp; Hurst; Jordan and Kellogg, <i>Evolution and Animal Life</i>; Weismann's <i>Evolution Theory</i>; Kellicott's <i>General Embryology</i>.</p>	
BOTANY	<p>The syllabus of work in the course of Botany for M.A. (from October, 1910, till further notice) may be obtained from the Registrar.</p> <p>Books recommended: Strasburger, <i>Text-Book of Botany</i>. For description of types—Scott, <i>Structural Botany</i>: I. Flowering Plants: II. Flowerless Plants. Flora—Hooker, <i>Student's Flora</i>.</p> <p>There will be one three-hour paper, and a practical and oral examination.</p>	
GEOLOGY <sup>1</sup>	<p>The Materials of the Earth's Crust and Elementary Mineralogy; Physical and Structural Geology; Stratigraphy; Elementary Palaeontology; Economic Geology, including the study of Soils, Water Supply, Building Stones, and geological questions connected with Public health; General Geology of Scotland, with especial reference to the Glasgow district.</p>	

<sup>1</sup> The examination in this and the three preceding subjects will be oral and practical, as well as by written papers.

IN	SINGLE-COURSE STUDENTS.	DOUBLE-COURSE STUDENTS.
GEOGRAPHY	The Lectures, and Text-books recommended for the work of the class.	
HISTORY	Outlines of European History, either A.D. 476-1453 or A.D. 1453-1878.	History of Great Britain, B.C. 55—A.D. 1485, in addition to the work prescribed for single-course students.
CONSTITUTIONAL LAW AND HISTORY	The Class Lectures with Taswell-Langmead's <i>English Constitutional History</i> and Dicey's <i>Law of the Constitution</i> .	In addition to the work prescribed for single-course students, double-course students will be examined on the subjects discussed in the Honours Class for the year in which they have attended.
ROMAN LAW	Institutes of Justinian (ed. Moyle or Sanders), and the Class Lectures. <i>Note.</i> —Candidates who aim at a degree in Law are recommended, in addition to the above, to profess <i>Dig.</i> , Lib. XVIII, tit. I. The title is translated and annotated by Mackintosh in his "Roman Law of Sale."	
SCOTTISH HISTORY AND LITERATURE	<p>Outlines of Scottish History and of the History of Scottish Literature.</p> <p>A knowledge of the following books will be required from all Candidates:</p> <p>(1) Barbour's <i>Brue</i>. Books VIII and IX.</p> <p>(2) Selected Poems of Robert Burns, edited by Andrew Lang (London: Kegan Paul) or some similar selection.</p> <p>(3) The following novels of Sir Walter Scott—<i>Waverley</i>, <i>Guy Mannering</i>, <i>The Antiquary</i>, <i>Old Mortality</i>, <i>Rob Roy</i>, <i>The Legend of Montrose</i>, <i>The Abbot</i>, <i>The Fair Maid of Perth</i>.</p> <p>(4) Lockhart's <i>Life of Scott</i>. The Autobiography in Chapter I, and Chapters XXXIII-XLIII.</p> <p>A minute acquaintance with the text will not be required.</p>	The Outlines of the Development of the Organisation of the Kingdom of Scotland, in addition to the work prescribed for single-course students.

# SYLLABUS OF EXAMINATIONS FOR THE DEGREE WITH HONOURS.

## IN CLASSICS.

In October, 1909, and thereafter, the Examination will comprise the following papers :

Greek Prose, 3 hours.

Latin Prose, 3 hours.

Unprepared Translation : Greek, 3 hours.

" " " " Latin, 3 hours.

\* Verse { Greek } *Optional.*  
              { Latin }

General Paper in History, Antiquities, }  
Literature, etc. Greek and Latin, - } 3 hours.

† Prescribed Books : Translation—Greek, 3 hours.

" " " " Latin, 3 hours.

*N.B.*—In October, 1915, and thereafter, an additional paper will be set in each of the following special subjects, of which every candidate will be required to offer one : (a) Greek History and Archæology ;<sup>1</sup> (b) Greek Philosophy ;<sup>2</sup> (c) Hellenistic Greek ;<sup>3</sup> (d) Greek Sculpture and Fine Art ;<sup>4</sup> (e) Roman History and Antiquities ;<sup>5</sup> (f) if and when the University shall provide teaching in the subject—Comparative Philology.

<sup>1</sup> *Definition.*—*Either*, The History of the Athenian Empire, with special reference to the speeches in the first two books of Thucydides and the *Knights* of Aristophanes ; or Greek History up to the end of the Persian Wars, with special reference to Herodotus, VI. 94-136 VII. 131-239.

<sup>2</sup> *Definition.*—For 1916-1918. *Either*, (a) The Philosophy of Socrates and the earlier views of Plato with especial reference to the *Phædo* ; or (b) Aristotle's Philosophy with especial reference to the *Ethics*.

<sup>3</sup> *Definition.*—The Later Linguistic with the Papyrus Fragments in Lietzmann's *Kleine Texte* Musonius Rufus, with a general knowledge of the Stoic philosophy ; The Epistle of James.

<sup>4</sup> *Definition.*—Pliny's Chapters on Greek Art, and a general knowledge of the subject.

<sup>5</sup> *Definition.*—The History of the Roman Empire, with special reference to selected documents. The selected documents prescribed for candidates for Honours in Latin or in History are those prescribed for Roman Military and Provincial Administration (see p. 259) and those prescribed for *either* Special Period A or Special Period B (see p. 259).

\* Candidates who desire to offer Verse Composition are required to give notice when entering their names for examination.

Greek :

† PRESCRIBED BOOKS.

For 1916 and 1917.

1. Homer: *Iliad* XIII—XXIV.

2. Aeschylus: *Agamemnon*.

3. Thucydides VI and VII.

4. Aristotle: *Ethics* I—IV and X.

For 1918 and 1919.

Homer: *Odyssey* XIII—XXIV.

Aristophanes: *Acharnians* and *Frogs*.

Aristotle: *Poetics* or *Ethics* I, II.

Demosthenes: *de falsa legatione*.

Aeschines: *de falsa legatione*.

## Latin :

1. Virgil : *Eclogues, Georgics, Aeneid*.
2. Horace : *Satires, Epistles, and Ars Poetica*.
3. Plautus : *Captivi*.
4. Cicero : *Tusculan Disputations*, or Tyrrell's Selection from the *Letters*.
5. Livy VII—IX.
6. Tacitus : *Annals*, XI—XIV, or *Historics*.

Prescribed Books : Questions—Greek, 3 hours.

Latin, 3 hours.

\* Named Authors : Latin, 3 hours.

## \* NAMED AUTHORS.

## Latin :

Five passages will be set, of which any three are to be translated, from	Terence.	{ Cicero (always two passages). Sallust. Caesar. Quintilian.
	Lucretius.	
	Catullus with Tibullus I, II and Propertius III, IV.	
	Ovid.	
	Lucan.	
	Juvenal.	
	Martial.	

Candidates will only be required to translate, not to explain, the passages from named Authors. They will be expected to have sufficient general knowledge of these authors to be able to translate an average, not an exceptionally difficult, passage.

## ENGLISH.

The subjects of examination in English [*i.e.* English Literature, with Language and History as subsidiary subjects] will be as follows :

I. LITERATURE.—(1) General History of English Literature. Two papers will be set, of which the first will deal more particularly with Chaucer, Spenser, and the rise of the Drama. (2) One author to be selected from the following list for 1917—*Milton, Dr. Johnson, Byron, Arnold*. [For 1918 the authors will be *Dryden, Burke, Scott, Tennyson*.] (3) Shakespeare. (4) Literary Theory. [Candidates should be acquainted with Aristotle's *Poetics*, Longinus on the Sublime, Horace's *Ars Poetica*, and the critical writings of Sidney, Ben Jonson, Dryden, Dr. Johnson, Coleridge and Matthew Arnold.] (5) A Dissertation on some subject approved by the Professor ; the dissertation to be sent in to the Registrar not less than a month before the first day of the examination at which the candidate presents himself.

II. LANGUAGE.—See "English Language, A."

## III. HISTORY :

- (a) The Renaissance and Reformation in Europe.
- (b) The Eighteenth Century.
- (c) The French Revolution.

Books to be used as texts :

- (a) Commynes, *Mémoires* ; Machiavelli, *The Prince* ; Knox, *History of the Reformation in Scotland* ; Harrison, *England*.
- (b) Locke, *Four letters on Toleration* ; Swift, *Conduct of the Allies* ; *Letters of Junius* ; Bolingbroke, *Patriot King*.
- (c) Burke, *Reflections* ; Paine, *The Rights of Man* ; Rousseau, *Contrat Social* ; Young, *Travels in France*.

In regard to the prescribed Books, Candidates may select one group only.

III. (Alternative to History)—The Relations between English and Italian Literature.

*Note.*—Students who wish to graduate with Honours in Moral Philosophy or Logic with English, are required to take the Literature and British History (or Italian) papers, and to write a thesis in connexion with English or Moral Philosophy or Logic.

## ENGLISH LANGUAGE.

### A. HONOURS IN ENGLISH.

- (1) General History of the English Language, with special reference to the Development of Standard English.
- (2) The Grammar of Old and Middle English.
- (3) Translation and Interpretation of specified and unspecified texts (see note).
- (4) Early English Literature (to the middle of the 14th century), Metric, and Literary Criticism.

*Note.*—In October, 1913, and till further notice, the prescribed texts are: (i.) Sweet's *Anglo-Saxon Reader*, (ii.) a. Emerson: *Middle English Reader*, b. *Havelok the Dane*, or *The Owl and Nightingale*, c. Chaucer: *Prologue and Knight's Tale*, (iii.) *Beowulf*.

### B. HONOURS IN GERMANIC LANGUAGES.

- (1) The Principles of Germanic Philology, with special reference to the languages studied for this examination.
- (2) Gothic (for texts see note).
- (3) History of English from the origins to the present day.
- (4) Translation and Interpretation of specified and unspecified texts (see note).
- (5) Early English Literature, Metric, Institutions, and allied subjects.

*Note.*—The prescribed texts are, till further notice:—(a) Gothic—1. The Gospel of St. Mark; 2. Epistles to the Corinthians. (b) English—1. *Beowulf*; 2. Chaucer; 3. one prose text and one verse text in both Old English and Middle English, selected from the following list, or approved beforehand by the lecturer:—Alfred's *Boethius*, the O.E. *Bedc*, *Exodus*, *Elene*, *Havelok the Dane*, *Gawayne and the Grene Knight*, *Ancren Riwele*, Dan Michel's *Ayenbite of Inwyte*.

## FRENCH.<sup>1</sup>

1916 and until further notice.

I. Translations from Old French and from Modern French into English, and from English into French.

II. Questions on the language and versification of prescribed texts (Old and Modern French), on the History of the Language and on Historical French Grammar. Reading recommended: Brunot, *Hist. de la langue française* (Colin), vols. I. and II.; Darmesteter, *Historical French Grammar* (Macmillan) [or in the French edition (Delagrave)], especially vols. II. and IV.

Darmesteter and Hatzfeld, *Tableau de la littérature et de la langue françaises au XVI<sup>e</sup> siècle* (Delagrave).

<sup>1</sup>In French, or German, or Italian, instead of Paper III. (General History of Literature), candidates are allowed to offer a dissertation written in the foreign language on some question dealing with the history of literature, the subject to be approved by the Lecturer, and the dissertation to be lodged with the Registrar not less than one month before the first day of the examination at which the candidate presents himself (or herself).



III. Questions on the General History of French Literature, or a Dissertation in French. (See note 1 at foot of this page.)

IV. Essay in French on a subject taken from one of the following periods: (1) The Middle Ages; (2) The 16th and 17th centuries; (3) The 18th and 19th centuries.

V. Oral Examination on any of the prescribed books.

LIST OF BOOKS. The prescribed books are as follows:

I. EARLY PERIOD: *La Vie de Saint Alexis*, ed. G. Paris (Champion); *La Chastelaine de Vergi* (Champion); *Chrestomathie du moyen âge* (Hachette); Darmesteter et Hatzfeld, *Morceaux choisis du XVI<sup>e</sup> siècle* (Delagrave); Ronsard (Gowans & Gray); d'Aubigné, *Les Tragiques* (Dent).

II. XVIIITH AND XVIIIITH CENTURIES: General knowledge of authors discussed in Class Lectures 1915-17.

III. MODERN POETRY: Lamartine, *Premières Méditations* (Hachette, 1912), *Jocelyn* (Oxford Press); V. Hugo, *Morceaux choisis* (Delagrave); Leconte de Lisle, *Poèmes barbares* (Lemerre); Heredia *Les Trophées* (Lemerre); *Anthologie des Poètes français* (Lemerre).

IV. MODERN PROSE: J. J. Rousseau, *Morceaux choisis* (Didier); B. de Saint-Pierre, *Paul et Virginie* (Nelson); Chateaubriand, *Atala*, *René* (Nelson); Balzac, *Le Père Goriot*; George Sand, *La Mare au Diable*; Flaubert, *Salammbo* (Oxford Press), *Trois Contes* (Nelson); Fromentin, *Dominique* (Plon-Nourrit); Goncourt, *Pages choisies* (Colin); Loti, *Ramuntcho* (Charpentier); Maeterlinck, *Morceaux choisis* (Nelson); Barrès, *Colette Baudouche, Au Service de l'Allemagne*, (E. Paul); A. Lebreton, *Le Roman français au XIX<sup>e</sup> siècle* (Soc. fr. d'Imprimerie).

## GERMAN.<sup>1</sup>

### A. HONOURS IN MODERN LANGUAGES.

#### 1916.

I. Unseen Translation and Prose Composition.

II. (a) Old High German (Selections); (b) Middle High German: *Das Nibelungenlied* (Selections); *Meier Helmbrecht*; (c) History of the German Language and Historical German Grammar.

III. General Outline of German Literature.<sup>1</sup>

IV. Special knowledge of German Literature from 1745 to the present day and of the history of the German novel and the German drama, and of such works as may be prescribed in the lectures on literature to the Honours Class in Sessions 1914-15 and 1915-16.

V. Oral examination.

#### 1917.

I. (As above).

II. (a) Old High German; (b) Middle High German.

III. General Outline of German Literature.<sup>1</sup>

IV. Special knowledge of German Literature from 1745 to the present day and of the history of the German drama and German poetry, and of such works as may be prescribed to the Honours class in Sessions 1915-16 and 1916-17.

V. Oral Examination.

<sup>1</sup> See footnote on p. 274.

## 1918.

I., II., III. (as for 1917).

IV. (As for 1917, but 'German novel' instead of 'German drama,' and 1917-18 instead of 1915-16.)

V. Oral examination.

B. HONOURS IN GERMANIC LANGUAGE.

## 1916, 1917, and 1918.

I. (a) Principles of Germanic Philology; (b) Gothic. (See under "English Language," B.)

II. (1) Old High German Grammar and Literature, and Braune's *Althoch-deutsches Lesebuch*. (2) Middle High German Grammar and Literature; Bartsch, *Liederdichter* (Selections); Walther von der Vogelweide; *Kudrun*; Wolfram von Eschenbach, *Parzival*, Book III.; *Meier Helmbrecht*. (3) History of the German Language and Historical German Grammar.

III. German Literature from 1745 to the present time, and the history of German poetry, or the German drama, or the novel.

ITALIAN.<sup>1</sup>

## 1916.

I. Translations from Old Texts (Scuola Siciliana).

II. „ „ English into Italian and *vice versa*.

III. Questions on the General History of Italian Literature.

IV. Questions on the prescribed books.

V. Essay in Italian on one of the writers of the seventeenth century.

VI. Oral Examination.

## 1917.

I. Translations from Old Texts (Scuola Umbra).

II. „ „ English into Italian and *vice versa*.

III. Questions on the General History of Italian Literature.

IV. Questions on the prescribed books.

V. Essay in Italian on one of the writers of the XVIth century.

VI. Oral Examination.

## 1918.

I. Translations from Old Texts.

II. „ „ English into Italian and *vice versa*.

III. Questions on General History of Italian Literature.

IV. Questions on the prescribed books.

V. Essay in Italian on one of the writers of the first half of the nineteenth century.

VI. Oral Examination.

<sup>1</sup> See footnote on p. 274.

HEBREW.<sup>1</sup>

Proverbs and Job.

Jeremiah.

Sanhedrin (edit. Strack).

Wisdom of Ben Sirā (Codex A; as edited by Strack).

History and Antiquities.

History of Literature to the close of the Talmud.

Composition and unseen Translation.

ARABIC.<sup>1</sup>

The Korān: Baidāwī's Commentary on selected chapters; Yaziji, *Majma al-Bahreīn*; Ibn Khaldūn in Semitic Studies Series; selections from Grammars and Old Poetry; *El-Fekhri*, omitting introduction; History of Mohammadan Dynasties and of Crusades (Stevenson); Arabic History and Literature; Prose Composition; Grammar (Wright); Arabian Epigraphy.

## CELTIC.

- I. Unprepared Translation.
- II. Composition in Modern Gaelic: or, alternatively, a Gaelic Essay on one of the modern Gaelic poets; easy sentences translated from prescribed work to be turned back into Middle or Old Gaelic.
- III. Questions on the language, versification, history, and historical grammar of Gaelic.
- IV. Questions on the General History of Gaelic Literature.<sup>2</sup>
- V. Palaeography. Pages to be transcribed from the facsimiles of the Books of *Leinster* and *Ballymote*, and from the *Ratibone MS.* A knowledge of the Ogham characters in *Auraicept na n-Eces*.
- VI. Prescribed Books:
  - (1) Extracts from the Fernaig MS. (in the University Library). A knowledge at first hand of the passages which are transcribed and (in parts) modernised in Dr. Cameron's *Reliquiae Celticae*, II. 1-137.
  - (2) Passages from *The Book of the Dean of Lismore*, which were edited first by Dr. MacLachlan, pp. 1-127, and again by Dr. Cameron, *Reliquiae Celticae*, I. 1-118.
  - (3) *The Irish Hymns in the Liber Hymnorum*, published, with vocabulary, in *Irische Texte*, I. 5-58, and, with translation, in *Thesaurus Palaeohibernicus*, II. 298-359.

## LOGIC.

(a) Logic and Psychology: the subjects of the Class Lectures, Ordinary and Advanced. Candidates will be expected to have read some of the larger modern treatises on Logic, such as Mill, Venn, Sigwart, or Bosanquet, and a

<sup>1</sup>In addition to four papers set in Hebrew and four in Arabic there will be one on the Comparative Grammar of the Semitic Languages, along with Dalman's *Aramäische Lesestücke*, I. and V.—VIII.

<sup>2</sup>See footnote on p. 274.

treatise on Psychology such as Stout's *Analytic Psychology* or James's *Principles of Psychology*.

(b) Metaphysics: (1) Kant's *Kritik of Pure Reason*. (2) Two of the following subjects, one to be a subject in Greek Philosophy and one in Modern Philosophy: (i.) History of Greek Philosophy up to Aristotle; (ii.) Aristotle and the Post-Aristotelian systems (exclusive of Neo-Platonism); (iii.) Descartes and Cartesianism, Spinoza and Leibniz; (iv.) Locke, Berkeley and Hume; (v.) Hegel's smaller *Logic* (Wallace's translation).

## MORAL PHILOSOPHY.

Candidates for Honours will be examined in: (1) The courses of the Professor and Lecturers; (2) Aristotle's *Ethics* (omitting Books VII and VIII), Aristotle's *Politics*, Books I—IV, and, in connection therewith, the History of Ethical Thought in Greece previous to Aristotle; (3) Spinoza's *Ethics*; (4) The Ethical Theory of Kant, together with Caird's *Philosophy of Kant*, Books II, III, IV, and Green's *Prolegomena to Ethics*; (5) the general history of Modern Hedonism; (6) The history of Political Theories from Machiavelli to Green.

Candidates are, in addition, expected to offer for examination some book, subject, author, or period; or to submit a thesis on a subject in Philosophy, either in Logic or in Moral Philosophy or in English, such thesis to be lodged by the candidate when entering his name for examination.

## ECONOMIC SCIENCE.

I. POLITICAL ECONOMY.—The subjects of the Class Lectures, Ordinary and Advanced, and of the Lectures (if any) on Economic History. Prescribed books: Marshall, *Principles of Economics*; Bastable, *Public Finance*; Adams, *Public Debts*; Seligman, *Essays in Taxation*; Edgeworth, *Mathematical Principles of Taxation* (*Econ. Journal*, vii.); Ingram, *History of Political Economy*; Nicholson, *Money and Monetary Problems*; Bastable, *International Trade*; Cannan, *Theories of Production and Distribution*; Scott, *Joint Stock Companies*, Vol. i.; Unwin, *Industrial Organisation*; Davidson and Gray, *Scottish Staple at Vercè*; Keith, *Commercial Relations of England and Scotland*. Candidates may submit a thesis on some subject to be approved by the Professor.

II. *Either* (a) LOGIC—see the regulations for Honours in Logic *ut supra*.

*Or* (b) MORAL PHILOSOPHY—see the regulations for Honours in Moral Philosophy *ut supra*.

*Or* (c) HISTORY.—The two qualifying courses may be chosen from the following alternatives: as the *Ordinary Course*, the ordinary course of the Professor of History, or the ordinary course of the Lecturer in Constitutional Law and History, or the Higher Ordinary course in History; as the *Honours Course*, one of the following honours courses, viz., that of the Professor of History, that of the Lecturer in Constitutional Law and History, that of the Lecturer in British History. The subject of examination will be British History, with special attention to its economic side, to be studied in Cunningham, *Growth of English Industry and Commerce*, and Ashley, *Economic History*.

## MATHEMATICS.

In addition to the subjects prescribed for the Ordinary Degree, Plane and Spherical Trigonometry; Analytical Geometry of two and three Dimensions;

Differential and Integral Calculus; Differential Equations; Elements of the Theory of Functions. Candidates are also expected to profess a subject such as Harmonic Analysis, or Bessel Functions, or Elliptic Functions, or Algebra of Invariants, or Theory of Groups, etc., and will be examined on the more important aspects of the subject professed.

Professions to be lodged with the Registrar at least one month before the first day of the examination.

## NATURAL PHILOSOPHY.

The subjects for Honours are grouped as follows for 1916 and the following years :

Group I.—Higher Dynamics (Statics and Kinetics of a particle and of a rigid body, including attractions).

Group II.—(1) Hydrodynamics and Sound; (2) Heat, including Thermodynamics and Conduction of Heat.

Group III.—(1) Light; (2) Electricity and Magnetism.

*Note carefully.*—Every candidate must choose Group I., and one subject, and one subject only, from each of the other groups. Ordinarily the first paper will be set on Group I., the second on Group II., and the third on Group III.

Candidates for Honours must show evidence of considerable independent reading. Also perseverance and initiative in attacking unfamiliar problems should be cultivated throughout the class work in preparation for the examination. Mere reproductions of class work will not qualify for the highest honours in the subject.

Professions to be lodged with the Registrar at least one month before the first day of the examination.

## ASTRONOMY.

See p. 293 (B.Sc., Astronomy as the Principal Subject).

## HISTORY.

1915, and until further notice.

Candidates will be examined in the following subjects: (1) Outlines of a period of European History, either (a) A.D. 476-1453, or (b) 1453-1878. (2) British History to 1880. This subject includes the History of England and Scotland, the History of Ireland from the reign of Henry II., and the History of the Colonial Empire of Great Britain. (3) The General History of the English Constitution with an outline knowledge of the Constitutional Law of Great Britain. (4) One of the following alternative subjects at the option of the candidate: (a) The growth of the English Constitution to the reign of Edward I. Prescribed book: Stubbs, *Select Charters*. (b) The development of the organization of the Kingdom of Scotland. (c) The History of the Roman Empire with special reference to selected documents. [The selected documents are those prescribed for candidates taking Roman History as a subject for Honours in Latin (see p. 272)].

Candidates may, *in addition*, submit through the Professor of History a thesis on some subject of British or Foreign History to be approved by the Board of Examiners for Honours in History. This should, as far as possible, be based on the leading original authorities on the subject of which it treats. Such thesis, when offered, will be considered as forming an integral part of the examination.

TABLE OF EXAMINATIONS FOR THE DEGREE OF M.A. TO BE HELD DURING SESSION 1916-17.

Names to be given in and Fees paid to the Registrar, the University. <sup>1</sup> Date. <sup>2</sup>	From 21st to 29th August, 1916, both days inclusive.	£1 is. for each subject until 25 <sup>th</sup> 3s.	£1 is. for each subject until 25 <sup>th</sup> 3s.	FEE.	I. WRITTEN EXAMINATIONS IN THE BEGINNING OF THE SESSION.
Italian (Ord. and Higher),	-	-	-	Thurs., 21st Sept.,	9-12 noon and 2-5 p.m.
Geography,	-	-	-	Do.,	9-12 noon.
Geography (Practical),	-	-	-	Do.,	2-5 p.m.
Scottish History and Literature,	-	-	-	Friday, 22nd Sept.,	9-12 noon and 2-5 p.m.
Mathematics (Ord., Higher, <sup>3</sup> and Hon.),	-	-	-	Sat., 23rd Sept.,	9-12 noon and 2-5 p.m.
History (Ord. and Higher),	-	-	-	Mon., 25th Sept.,	9-12 noon and 2-5 p.m.
English (Ord.),	-	-	-	Tues., 26th Sept.,	9-11 a.m. and 12-2 p.m.
English (Higher),	-	-	-	Do.,	9-12 noon.
Latin (Ord.), <i>Prescribed Books</i> ,	-	-	-	Do.,	3-5 p.m.
Latin (Ord.), <i>Unprepared Translation</i> ,	-	-	-	Wed., 27th Sept.,	9-11 a.m.
Latin (Ord.), <i>Prose or Roman Britain</i> ,	-	-	-	Do.,	12-2 p.m.
Latin (Ord.), <i>General</i> ,	-	-	-	Do.,	3-5 p.m.
Education,	-	-	-	Thurs., 28th Sept.,	9-12 noon.
English (Hon.),	-	-	-	Do.,	9-12 noon and 2-5 p.m.
English Lang. (Germanic Hon.),	-	-	-	Do.,	9-12 noon and 2-5 p.m.
English Lang. (Germanic Hon.),	-	-	-	Friday, 29th Sept.,	9-12 noon and 2-5 p.m.
Botany,	-	-	-	Do.,	9-12 noon.
Astronomy,	-	-	-	Do.,	9-12 noon.
English (Hon.),	-	-	-	Do.,	9-12 noon and 2-5 p.m.
Chemistry,	-	-	-	Do.,	2-5 p.m.
English Lang. (Higher),	-	-	-	Do.,	9-11 a.m., 12-2 p.m., 3-5 p.m.
English (Hon.),	-	-	-	Sat., 30th Sept.,	9-12 noon and 2-5 p.m.
English (Higher),	-	-	-	Do.,	2-5 p.m.
Zoology,	-	-	-	Do.,	9-12 noon.
Astronomy,	-	-	-	Monday, 2nd Oct.,	9-12 noon.

<sup>1</sup> For Women Students, Miss Melville, Queen Margaret College.

<sup>2</sup> When names are not given in, and fees are not paid within the stated dates, a late Entry Fee of Twenty Shillings must be paid before the candidate can be admitted to examination. A candidate is not held to be entered for the examination until his name is entered, the fee paid, and all the necessary certificates, etc., lodged. Late Entry Fees will not be accepted less than eight days before the date of examination.

**3 Candidates who have passed in Ordinary Mathematics take only the forenoon paper.**

TABLE OF EXAMINATIONS FOR THE DEGREE OF M.A. TO BE HELD DURING SESSION 1916-17.

Names to be given in and fees paid to the Registrar, the University. <sup>1</sup> Date. <sup>2</sup>	FEE.	I. WRITTEN EXAMINATIONS IN THE BEGINNING OF THE SESSION.— <i>Continued.</i>		
		Mathematics (Hon.)	Monday, 2nd Oct.,	9-12 noon.
From 21st to 29th August, 1916, both days inclusive.	£1 1s. FOR EACH SUBJECT UNTIL £5 5s. SHALL HAVE BEEN PAID.	Constitutional Law and History (Ord.)	Do.,	9-12 noon.
		Hebrew (Ord., Higher, and Hon.)	Do.,	9-12 noon and 2-5 p.m.
		Constitutional Law and History (Higher)	Do.,	9-12 noon and 2-5 p.m.
		History (Hon.)	Do.,	9-12 noon and 2-5 p.m.
		English (Hon.)	Do.,	9-12 noon and 2-5 p.m.
		Roman Law	Do.,	2-5 p.m.
		Social Economics,	Tuesday, 3rd Oct.,	9-12 noon.
		English (Hon.)	Do.,	9-12 noon.
		Hebrew (Hon.)	Do.,	9-12 noon and 2-5 p.m.
		German (Hon.)	Do.,	9-12 noon and 2-5 p.m.
		Italian (Hon.)	Do.,	9-12 noon and 2-5 p.m.
		Political Economy (Ord., Higher, & Hon.)	Do.,	2-5 p.m.
		Moral Philosophy (Ord.)	Wed., 4th Oct.,	9-12 noon.
		Moral Philosophy (Higher and Hon.)	Do.,	9-12 noon and 2-5 p.m.
		History (Hon.)	Do.,	9-12 noon and 2-5 p.m.
		German (Hon.)	Do.,	9-12 noon and 2-5 p.m.
		Italian (Hon.)	Do.,	9-12 noon and 2-5 p.m.
		Political Philosophy,	Do.,	2-5 p.m.
		Celtic (Ord. and Higher),	Do.,	2-5 p.m.
		Logic (Ord. and Higher),	Thurs., 5th Oct.,	9-12 noon.
		Logic (Hon.)	Do.,	9-12 noon and 2-5 p.m.
		History (Hon.)	Do.,	9-12 noon and 2-5 p.m.
		Arabic (Hon.)	Do.,	2-4 p.m.
		Latin (Higher), <i>Unprescribed Translation,</i>	Do.,	2-4 p.m.
		Roman History, <i>Unprescribed Translation,</i>	Do.,	2-4 p.m.

<sup>1</sup> For Women Students, Miss Melville, Queen Margaret College.

<sup>2</sup> When names are not given in, and fees are not paid within the stated dates, a late Entry Fee of Twenty Shillings must be paid before the candidate can be admitted to examination. A candidate is not held to be entered for the examination until his name is entered, the fee paid, and all the necessary certificates, etc., lodged. Late Entry Fees will not be accepted less than eight days before the date of Examination.

Names to be given in and Fees paid to the Registrar, the University. <sup>1</sup> Date. <sup>2</sup>	FEE.	I. WRITTEN EXAMINATIONS IN THE BEGINNING OF THE SESSION.— <i>Continued.</i>	
From 21st to 29th August, 1916, both days inclusive.	£1 1s. FOR EACH SUBJECT UNTIL 25 5s. SHALL HAVE BEEN PAID.	Latin (Hon.), <i>Unprescribed Translation</i> , Celtic (Ord. and Higher), - - - Latin (Higher), <i>Prescribed Books</i> , - - - Roman History, <i>General</i> , - - - British History (Hon. in Engl. and Phil.), Italian (Hon. in English), - - - Natural Phil. (Ord., Higher, and Hon.), - Arabic (Ord., Higher, and Hon.), - - - Latin (Hon.), <i>Prescribed Books</i> , - - - Latin (Higher), <i>Pres. Books (Questions)</i> , - Roman History, <i>Prescribed Texts Trans.</i> , Latin (Hon.), <i>Prescribed Books (Questions)</i> , Zoology (Practical), - - - Latin (Higher), <i>Named Authors</i> , - - - Natural Philosophy (Hon.), - - - History (Hon.), - - - Latin (Hon.), <i>Named Authors</i> , Roman History, <i>Special Period</i> , - - - Latin (Higher), <i>Prose</i> , - - - Latin and Greek (Hon.), <i>Special Subject</i> - Roman History, <i>Mil. and Prov. Admin.</i> , Latin (Higher), <i>General</i> , - - - Moral Philosophy (Hon.), - - - Latin and Greek (Hon.), <i>History, etc.</i> , - Logic (Hon.), - - - French (Higher and Hon.), - - -	Thursday, 5th Oct., 2-5 p.m. Do., do., 2-5 p.m. Friday, 6th Oct., 9-11 a.m. Do., do., 9-11 a.m. Do., do., 9-11 a.m. and 12-2 p.m. Do., do., 9-11 a.m. and 12-2 p.m. Do., do., 9-12 noon and 2-5 p.m. Do., do., 9-12 noon and 2-5 p.m. Do., do., 9-12 noon. Do., do., 2-4 p.m. Do., do., 2-4 p.m. Do., do., 2-5 p.m. Saturday, 7th Oct., 9 a.m. Do., do., 9-11 a.m. Do., do., 9-12 noon. Do., do., 9-12 noon and 2-5 p.m. Do., do., 9-12 noon. Do., do., 9-12 noon. Do., do., 2-4 p.m. Do., do., 2-5 p.m. Monday, 9th Oct., 2-5 p.m. Do., do., 9-11 a.m. Do., do., 9-11 a.m. Do., do., 9-12 noon. Do., do., 2-4 p.m. Do., do., 2-5 p.m.

<sup>1</sup> For Women Students, Miss Melville, Queen Margaret College.<sup>2</sup> When names are not given in, and fees are not paid within the stated dates, a late Entry Fee of Twenty Shillings must be paid before the candidate can be admitted to examination. A candidate is not held to be entered for the examination until his name is entered, the fee paid, and all the necessary certificates, etc., lodged. Late Entry Fees will not be accepted less than eight days before the date of examination.





TABLE OF EXAMINATIONS FOR THE DEGREE OF M.A. TO BE HELD DURING SESSION 1916-17.

Names to be given in and Fees paid to the Registrar, the University. <sup>1</sup> Date. <sup>2</sup>	FEE.	II. WRITTEN EXAMINATIONS IN MARCH, 1917.				
From 26th Feb. to 2nd Mar., 1917, both days inclusive.	£1 IS. FOR EACH SUBJECT UNTIL 25 <sup>th</sup> FEB. HAVE BEEN PAID.	Zoology, - - - - - Constitutional Law and History (Ord.), - Botany, - - - - - Roman Law, - - - - - Chemistry, - - - - - Astronomy, - - - - - Hebrew (Ord. and Higher), - - - - - Astronomy - - - - - Arabic (Ord. and Higher), - - - - - Zoology (Practical), - - - - - Geology, - - - - - Geology (Practical), - - - - -				Friday, 23rd Mar., 9-12 noon. Saturday, 24th Mar., 9-12 noon. Do., do., 9-12 noon. Do., do., 2-5 p.m. Monday, 26th Mar., 2-5 p.m. Tuesday, 27th Mar., 2-5 p.m. Wed., 28th Mar., 9-12 noon and 2-5 p.m. Thurs., 29th Mar., 9-12 noon. Friday, 30th Mar., 9-12 noon and 2-5 p.m. Saturday, 31st March, 9 a.m. Do., do., 9-12 noon. Do., do., 2-5 p.m.

<sup>1</sup> For Women Students, Miss Melville, Queen Margaret College.

<sup>2</sup> When Names are not given in and Fees are not paid within the stated dates, a late Entry Fee of Twenty Shillings must be paid before the candidate can be admitted to examination. A candidate is not held to be entered for the examination until his name is entered, the fee paid, and all the necessary certificates, etc., lodged. Late Entry Fees will not be accepted less than eight days before the date of Examination.

TABLE OF EXAMINATIONS FOR THE DEGREE OF M.A. TO BE HELD DURING SESSION 1916-17.

DATES OF EXAMINATIONS FOR MASTER OF ARTS.

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## III. WRITTEN EXAMINATIONS IN MAY AND JUNE, 1917.

French (Higher),	-	-	-	Saturday, 26th May,	9-12 noon.
Education,	-	-	-	Do.,	2-5 p.m.
French (Ord. and Higher),	-	-	-	Monday, 28th May,	9-12 noon and 2-5 p.m.
Constitutional Law and History (Higher),	-	-	-	Do.,	9-12 noon and 2-5 p.m.
English Literature (Ord.),	-	-	-	Tuesday, 29th May,	9-11 a.m. and 12-2 p.m.
" (Higher),	-	-	-	Do.,	9-12 noon and 2-5 p.m.
English Lang. (Higher),	-	-	-	Do.,	9-12 noon and 2-5 p.m.
Moral Philosophy (Ord.),	-	-	-	Do.,	9-11 a.m., 12-2 p.m., 3-5 p.m.
" (Higher),	-	-	-	Wednesday, 30th May,	9-12 noon.
Mathematics (Ord. and Higher), <sup>3</sup>	-	-	-	Do.,	9-12 noon and 2-5 p.m.
Logic (Ord. and Higher),	-	-	-	Thursday, 31st May,	9-12 noon and 2-5 p.m.
Geography,	-	-	-	Friday, 1st June,	9-12 noon.
Latin (Ord.),	-	-	-	Do.,	2-5 p.m.
" (Higher),	-	-	-	Saturday, 2nd June,	9-11 a.m.
Roman History, <i>Unprepared Translation</i> ,	-	-	-	Do.,	9-11 a.m.
Latin (Ord.), <i>Unprepared Translation</i> ,	-	-	-	Do.,	9-11 a.m.
Latin (Higher), <i>Prescribed Books</i> ,	-	-	-	Do.,	12-2 p.m.
Roman History, <i>General</i> ,	-	-	-	Do.,	12-2 p.m.
Latin (Ord.), <i>Prose or Roman Britain</i> ,	-	-	-	Do.,	12-2 p.m.
Latin (Higher), <i>Prescribed Bks. (Questions)</i> ,	-	-	-	Do.,	3-5 p.m.
Roman History, <i>Prescribed Texts Translation</i> ,	-	-	-	Do.,	3-5 p.m.
Latin (Ord.), <i>General</i> ,	-	-	-	Do.,	3-5 p.m.
Latin (Higher), <i>Named Authors</i> ,	-	-	-	Monday, 4th June,	9-11 a.m.
Roman History, <i>Special Period</i> ,	-	-	-	Do.,	9-11 a.m.
	-	-	-	Do.,	9-12 noon.

Names to be given in  
and Fees paid to  
the Registrar, the  
University.<sup>1</sup>  
Date.<sup>2</sup>

FEE.

£1 IS. FOR EACH SUBJECT UNTIL £5 US. SHALL  
HAVE BEEN PAID.

From 7th to 11th  
May, 1917.  
both days inclusive.

<sup>1</sup> For Women Students, Miss Melville, Queen Margaret College.

<sup>2</sup> When names are not given in, and fees are not paid within the stated dates, a late Entry Fee of Twenty Shillings must be paid before the candidate can be admitted to examination. A candidate is not held to be entered for the examination until his name is entered, the fee paid, and all the necessary certificates, etc., lodged. Late Entry Fees will not be accepted less than eight days before the date of Examination.

<sup>3</sup> Candidates who have passed in Ordinary Mathematics take only the forenoon paper.

TABLE OF EXAMINATIONS FOR THE DEGREE OF M.A. TO BE HELD DURING SESSION 1916-17.

Names to be given in and fees paid to the Registrar, the University. <sup>1</sup> Date. <sup>2</sup>	FEE.	III. WRITTEN EXAMINATIONS IN MAY AND JUNE, 1917.	
From 7th to 11th May, 1917, both days inclusive.	\$1 IS. FOR EACH SUBJECT UNTIL £5 OS. SHALL HAVE BEEN PAID.	Latin (Higher), <i>Prose</i> , - - - Roman History, <i>Mil. and Prov. Admin.</i> , - - - Latin (Higher), <i>General</i> , - - - History (Ord. and Higher), - - - Scottish Hist. and Lit. (Ord. and Higher), - - - Natural Philosophy (Ord. and Higher), - - - Greek (Ord.), <i>Prescribed Books</i> , - - - Greek (Higher), <i>Prescribed Books</i> , - - - Greek (Hellenistic), - - - Greek History, - - - Political Philosophy, - - - Greek (Ord.), <i>Prose and Grammar</i> , - - - Greek (Higher), <i>Prose</i> , - - - Greek History, - - - Greek (Ord.), <i>General</i> , - - - Greek (Higher), <i>General</i> , - - - Greek History, - - - Greek (Hellenistic), - - - Greek (Higher), <i>Unprepared Translation</i> , - - - Greek (Hellenistic), - - - Greek History, - - - Celtic (Ord. and Higher), - - - Social Economics, - - - Political Economy (Ord. and Higher), - - - German (Ord. and Higher), - - - Italian (Higher), - - - " (Ord. and Higher), - - -	Monday, 4th June, 12-2 p.m. Do., do., 2-5 p.m. Do., do., 3-5 p.m. Tuesday, 5th June, 9-12 noon and 2-5 p.m. Wed., 6th June, 9-12 noon and 2-5 p.m. Thursday, 7th June, 9-12 noon and 2-5 p.m. Friday, 8th June, 9-11 a.m. Do., do., 9-11 a.m. Do., do., 9-11.30 a.m. Do., do., 9-11 a.m. Do., do., 9-12 noon. Do., do., 12-2 p.m. Do., do., 12-2 p.m. Do., do., 12-2 p.m. Do., do., 3-5 p.m. Do., do., 3-5 p.m. Do., do., 3-5 p.m. Do., do., 3-5.30 p.m. Do., 9th June, 9-11 a.m. Saturday, do., 9-11 a.m. Do., do., 9-11 a.m. Do., do., 9-12 noon and 2-5 p.m. Monday, 11th June, 9-12 noon. Do., do., 2-5 p.m. Tuesday, 12th June, 9-12 noon and 2-5 p.m. Wed., 13th June, 9-12 noon. Do., do., 2-5 p.m. Thursday, 14th June, 9-12 noon.

For Notes 1 and 2 see page 285.

## 2.—GRADUATION IN SCIENCE.

The Scottish University Commissioners (1889) have ordained that two Degrees in Science may be conferred by each of the Universities of Scotland—viz., Bachelor of Science (B.Sc.) and Doctor of Science (D.Sc.). These Degrees may be given in Pure Science and in Applied Science.

## Degrees in Pure Science.

The following are the provisions of Ordinances No. 12<sup>1</sup>, No. 42, No. 44, and No. 155 as they apply to this University:—

I. Two Degrees in Science may be conferred by the University of Glasgow—viz., Bachelor of Science (B.Sc.) and Doctor of Science (D.Sc.).

II. Every candidate for the Degree of Bachelor of Science must pass the Preliminary Examination<sup>2</sup> prescribed by the Arts Ordinance (Regulations for Degrees in Arts); and the conditions with respect thereto imposed by that ordinance (see pp. 238-248) are applicable in all respects to candidates for the Degree of Bachelor of Science, except as follows:—(1) French or German may be substituted for Latin or Greek [See also page 240]; (2) Mathematics must be passed on the higher standard;<sup>3</sup> (3) a degree in Arts (not being a degree *honoris causâ tantum*) in any of the Universities of the United Kingdom, or in any Colonial or Foreign University specially recognised for the purpose by the University Court after consultation with the Senatus, exempts from the Preliminary Examination.

III. (1) Candidates for the Degree of Bachelor of Science must, in the course of not less than three academical years, attend at least seven courses of instruction, in subjects prescribed for examination under Sections VIII. and IX. below.

(2) Three of these courses must be in subjects prescribed for the First Science Examination under Section VIII.; and four must be in subjects prescribed for the Final Science Examination under Section IX.

<sup>1</sup> This ordinance was printed in full in the *University Calendar* for 1892-93, pp. 485-488, and the modifications made by Ordinance No. 42 were indicated, by means of square brackets, in the *University Calendar* for 1894-95.

<sup>2</sup> Each applicant for examination in a special subject in the Preliminary Examination shall pay, in addition to the statutory fee for Preliminary Examination, the sum of One Guinea, and should the applicant be successful in passing the examination in the special subject he shall be entitled to recover the sum of One Guinea when he has become a matriculated student of the University, *i.e.*, has entered his name in the Matriculation Album, and has been enrolled in at least one University Class.

<sup>3</sup> A student who, having passed the Arts Preliminary Examination in accordance with the provisions of the Arts Ordinance, has thereafter obtained a certificate of attendance on a qualifying class of Mathematics, shall not be required to pass any further examination in Mathematics as a condition of entering on the course of study for graduation in Science under the provisions of Ordinance No. 12. See Ordinance No. 44, Section V. Candidates for the Degree of B.Sc. in Pure Science may offer themselves for examination in Mathematics on the intermediate instead of on the higher standard; provided that in addition to the ancient or modern language already taken they also offer themselves for examination in a modern language as a fifth subject, such further examination to be on the standard prescribed by the Joint Board for the Medical Preliminary. Notwithstanding these provisions, candidates shall not be entitled to profess at the Final Science Examination Mathematics, Natural Philosophy, or Astronomy, unless they have passed the Preliminary Examination in Mathematics on the higher standard. See Ordinance No. 155, Section I.

IV. (1) Four of the seven courses must be taken in this University.

(2) Three may be taken in other Universities or Institutions approved by the University Court, or under teachers recognised by the University Court for purposes of graduation in Science: Provided that the fees for attendance at an approved Institution or under a recognised teacher in Glasgow shall not be less than the fees exigible for the corresponding courses in the University.

V. All candidates, not matriculated students of the University, availing themselves of the permission to attend lectures at approved Institutions or by recognised teachers in Glasgow, shall at the commencement of each year of such attendance enrol their names in a book to be kept for that purpose in the University, paying a fee of the same amount as the Matriculation Fee paid by students of the University, and having in respect of such payment a right to the use of the Library of the University.

VI. (1) After receiving through the Faculty of Science the opinion of the Board of Studies, the Senatus determines from time to time the number of meetings of which a full course in any subject shall consist, and reports its determination to the University Court for its approval.

(2) After receiving through the Faculty of Science the opinion of the Board of Studies, the Senatus, with the approval of the University Court, may sanction half courses of not less than half the number of meetings which constitute a full course in the subject; but two half courses shall be held to be equivalent to a full course in such cases as the Senatus, with the approval of the University Court, may determine, and under such regulations as may from time to time be made for that purpose.

(3) It is the duty of each Professor and Lecturer annually at the end of each winter session to submit to the Board of Studies a scheme specifying what proportion of the courses shall be devoted to lectures, practical demonstrations, examinations, and tutorial work respectively. The Board of Studies shall transmit the schemes to the Faculty of Science, who shall submit them to the Senate with such observations as they may think fit to make thereon. The Senatus transmits such schemes, with such observations as it may think fit to make thereon, to the University Court for its approval.

(4) It is the duty of the Professors and Lecturers annually at the end of each winter session to submit to the Faculty of Science, for its consideration, a syllabus of the subjects and books proposed for the work of their classes during the next academical year. The Faculty of Science transmits such syllabus, with such observations as it may think fit to make thereon, to the Senatus for its approval.

VII. The provisions of the preceding section do not apply to approved institutions or recognised teachers outside Glasgow; but the University Court shall not grant or continue recognition to any institutions or teachers unless they shall be satisfied that their courses of instruction are equivalent to the courses sanctioned in the Universities of Scotland.

VIII. (1) There is a First Science Examination<sup>1</sup> in the three following

<sup>1</sup> This examination includes practical work in the subjects admitting of, or requiring it.

subjects—viz., (1) Mathematics or Biology (*i.e.* Zoology and Botany);<sup>1</sup> (2) Natural Philosophy; (3) Chemistry.

(2) The examination in all these subjects is the same as the examination in these subjects for the Ordinary Degree of Master of Arts.

(3) Candidates may present themselves in any one or more of these subjects at any examination held after they have attended a full course in the subject or subjects professed.<sup>2</sup>

IX. (1) There is a Final Science Examination<sup>3</sup> on a higher standard in any three or more of the following subjects:—

- |   |  |
|---|--|
| 1. Mathematics.                           | 7. Geology, including Mineralogy. <sup>4</sup> |
| 2. Natural Philosophy.                    | 8. Zoology, including Comparative Anatomy.     |
| 3. Astronomy.                             | 9. Botany, including Vegetable Physiology.     |
| 4. Chemistry.                             | 10. Geography. <sup>5</sup>                    |
| 5. Human Anatomy, including Anthropology. |  |
| 6. Physiology.                            |  |

The University Court, on the recommendation of or after consultation with the Senatus, shall have power to make additions to the foregoing list of subjects, provided always that no subject shall be included in the list unless a qualifying course shall have been established therein.

(2) The standard of this examination shall be as nearly as possible equivalent to that of the examination for the Degree of Master of Arts with Honours, where the subjects are different; and where the subjects are the same the examination shall be identical.<sup>6</sup>

(3) A subject already taken under the preceding section for the First Science Examination may be taken also under this section for the Final Science Examination.

(4) Candidates presenting themselves for this examination must have attended four full courses of higher instruction, including practical or laboratory work, in the subjects professed, subject always to the provisions of Sections VI. and VII. hereof.

(5) The Final Science Examination shall be taken not less than one year after the candidate has passed the First Science Examination.

The Senate, with the approval of the University Court, has framed the following regulations for the Final Science Examination, viz.:

<sup>1</sup> See p. 139.

<sup>2</sup> In Natural Philosophy the full course comprises (a) Ordinary Lecture Class, and (b) Ordinary Laboratory Course (one term of 10 hours per week, or two terms of 6 hours per week).

<sup>3</sup> This examination includes practical work in the subjects admitting of, or requiring it.

<sup>4</sup> The higher course in Geology, including Mineralogy, consists of fifty lectures together with practical Laboratory work.

<sup>5</sup> The words "10. Geography," together with the immediately succeeding paragraph, were added by University Court Ordinance No. XXXV., Glasgow No. 11 [Regulations for Degrees in Science] which was approved by His Majesty in Council on 5th July, 1911, and came into operation on 1st October, 1911.

<sup>6</sup> The following rules have been laid down by the Senate: (1) That a pass with Second Class Honours in the Arts Degree Examination in Mathematics and Natural Philosophy be accepted as exemption from the Final Examination in these subjects as Subsidiary Subjects for B.Sc. (2) Any Candidate who has passed with Honours in Mathematics and Natural Philosophy for the Degree of M.A. shall be allowed to qualify for the Degree of B.Sc. in Pure Science in either of these subjects as a Principal Subject, on passing such further examination as shall be approved by the Faculty of Science on the report of the Professor of the subject.

(a) A candidate shall be allowed the option of presenting himself in any one subject for the Final Science Examination, or in two, or in three or more at one time.

(b) One of the subjects taken by each candidate shall be chosen by him to be the principal subject in his examination, and the remaining two or more shall be considered to be subsidiary subjects, unless (see footnote to Sect. XII.) the candidate has been permitted to present himself for examination in more than one subject, each taken as a principal subject.<sup>1</sup>

(c) A candidate having selected his principal subject should consult the Professor of that subject, and determine which are to be his subsidiary subjects. After deciding upon the choice and scope of the subsidiary subjects to be offered a statement embodying this decision must be submitted to the Senate for approval.

(d) The subsidiary subjects must be, in part at least, cognate to the principal subject, and the examination in them shall also be upon an Honours standard, but shall have special regard to those parts of the subjects which are cognate to the principal subject.

The following list has been drawn up by the Faculty of Science for the guidance of students in choosing a suitable combination of subjects:

PRINCIPAL SUBJECT.	SUBSIDIARY SUBJECTS.
1. Mathematics.	Natural Philosophy; Astronomy; Chemistry; Geology; Geography.
2. Natural Philosophy. <sup>2</sup>	Mathematics; Astronomy; Chemistry; Geology; Geography.
3. Astronomy.	Mathematics; Natural Philosophy; Geology; Chemistry; Geography.
4. Chemistry.	Mathematics; Natural Philosophy; Physiology; Geology; Zoology; Botany.
5. Human Anatomy, including Anthropology.	Physiology; Zoology; Botany.
6. Physiology.	Chemistry; Human Anatomy; Zoology; Botany.
7. Geology, including Mineralogy.	Chemistry; Zoology; Botany; Mathematics; Natural Philosophy; Geography.
8. Zoology, including Comparative Anatomy.	Human Anatomy; Physiology; Geology; Botany.
9. Botany, including Vegetable Physiology.	Chemistry; Physiology; Geology; Zoology; Geography.
10. Geography.	Mathematics; Natural Philosophy; Astronomy; Geology; Botany.

<sup>1</sup>Candidates who have passed the examination in a subsidiary subject are permitted, subject to the condition that they have attended the required courses, to enter for examination in the same subject on the principal subject standard.

<sup>2</sup>Natural Philosophy as a Principal Subject.—The courses of attendance approved by the Senate (in addition to those required for the First Science Examination) are as follow: (a) For students who intend to profess mainly Mathematical Physics. Class C. (Dynamics and Physics); Class A. (Higher Mathematical); one term of 6 hours per week in Advanced Laboratory work. (b) For students who intend to profess mainly Experimental Physics. Class C. (Dynamics and Physics); three terms of 6 hours per week in Advanced Laboratory work. [Candidates to undergo an examination, including a practical examination, on the determination of Physical Constants.]



(e) Candidates shall be required to state at the time they enter for the final examination in each subject whether they desire it to be regarded as a principal subject or as a subsidiary subject, and in the event of the latter being the case they shall be required to state which subject they propose to take as a principal subject.

(f) Students are advised to pass the examinations in their subsidiary subjects before taking the final examination in the principal subject, in all cases in which the subsidiary subject is ancillary to the principal subject.

(g) In estimating the attainments of the various candidates in any subject the Examiners may take into account the duly attested records of their practical work and any printed or written dissertation embodying the results of original work that may be submitted.

REGULATION AS TO POST-GRADUATION EXAMINATIONS MADE BY THE SENATE, WITH THE APPROVAL OF THE UNIVERSITY COURT, ON 9TH MAY, 1912.

*A Bachelor of Science in Pure Science may after graduation present himself for examination in any subject of the curriculum in Pure Science other than that which he professed as Principal Subject for his degree, provided that he has attended the prescribed courses of study in the subject. The examination shall be of the scope and standard prescribed for a Principal Subject. A candidate shall not be qualified to compete for prizes, bursaries, or scholarships awarded on the results of such examination. The fee for examination in each subject is three guineas.*

X. If a student, before passing the Preliminary Examination, has attended a class qualifying for graduation, the Senatus may, on special cause shown, permit him to count such class for graduation, on condition of his passing the full Preliminary Examination within such time thereafter as the Senatus may appoint, and in every case the Senatus shall make a report to the University Court setting forth the reasons for the relaxation.

XI. A candidate for the degree of Bachelor of Science shall not be deemed to have attended a class as part of the curriculum for that degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

XII. It is competent to the Examiners for the degree of Bachelor of Science to report that a candidate has passed with special distinction in one or more of the subjects professed by him: and in such a case a diploma shall be given setting forth the subjects in respect of which the degree has been granted, and the subject or subjects in which special distinction has been obtained.<sup>1</sup>

#### DEGREE IN APPLIED SCIENCE.

XIII. Degrees in Applied Science may be instituted and conferred

<sup>1</sup> The following deliverance of the Faculty of Science was approved by the Senate on 17th February, 1916:—A candidate may in special circumstances, with the consent of the Senate, present himself in more than one subject, each professed as a principal subject, and the candidate shall in that case be examined in each subject in the scope and on the standard required when a subject is chosen alone as a principal subject. It shall then be competent for the Examiners to report that the candidate has passed with special distinction in one or more of the subjects in which he has thus been examined as principal subjects. But distinction shall in no case be awarded to a candidate in a subject taken as a subsidiary subject.

according to regulations to be laid down in special Ordinances applicable to each University by the Commissioners under the Universities (Scotland) Act, 1889; or after the expiry of their powers by the University Court in each University.

XIV. The provisions of Sections II. to VIII. of this Ordinance inclusive, in so far as they relate to the Preliminary and First Science Examinations, shall be applicable in all respects to degrees in Applied Science instituted as aforesaid, except where special provision is made to the contrary in the special Ordinances aforesaid.

#### DOCTORATE OF SCIENCE.

XV. Graduates of any University who have held the degree of Bachelor of Science for a term of five years, may offer themselves for the degree of Doctor of Science in the same University.

XVI. A candidate for the Degree of Doctor of Science shall present a thesis or a published memoir or work<sup>1</sup> to be approved by the Senatus (on the recommendation of the Faculty of Science when duly constituted): Provided that, if required by the Senatus, the candidate shall also be bound to pass such an examination as may from time to time be determined. [This examination is to be conducted by Examiners appointed under University Court Ordinance No. XXVI., Section X. See p. 341.]

The thesis shall be a record of original research undertaken by the candidate, and shall be accompanied by a declaration, signed by him, that the work has been done and the thesis composed by himself.<sup>2</sup>

#### GENERAL.

XVII. A student who, at the time when this ordinance shall come into operation, shall have completed a part of his course of study with a view to graduation in Science in any of the Scottish Universities under regulations in force at the time in such University, and shall thereafter complete his course of study and pass the necessary examinations in conformity with such regulations,<sup>3</sup> or with the provisions of this ordinance, may become a candidate for the Degree of Bachelor of Science.

XVIII. The Degrees of Bachelor and Doctor of Science shall in no case be conferred on persons who have not complied with the conditions hereinbefore set forth, and shall not be conferred *honoris causa tantum*.

XIX. This ordinance came into force on 1st October, 1892.

#### OUTLINE OF EXAMINATIONS FOR B.SC. IN PURE SCIENCE.

##### *First Examination.*

MATHEMATICS—As for M.A. Single-Course Students: see p. 269.

ZOOLOGY—see p. 270. BOTANY—see p. 270.

<sup>1</sup> The Thesis must be lodged on or before 13th January.

<sup>2</sup> Each successful Candidate for the Degree of D.Sc. is required to furnish to the University a certain number of copies of his Thesis, either printed or satisfactorily multiplied from a type-written copy, the number of copies in each case to be fixed by the Senate.

<sup>3</sup> Students who began their course previous to 1890 may qualify themselves for the Degree of B.Sc. under the old regulations, which are given in the *University Calendar* for 1884-85; those who began in 1890, or 1891, or 1892 may qualify under the regulations contained in the *Calendar* for 1892-93.

**NATURAL PHILOSOPHY**—As for M.A. Single-Course Students: see p. 269. (*N.B.*—The qualifying courses approved by the Senate include Laboratory Work, see p. 109. Candidates are reminded that the qualifying course of Laboratory Work in Natural Philosophy must be completed previous to admission to the Degree Examination.)

**CHEMISTRY**—see p. 270.

### *Final Examination.*

**MATHEMATICS**—see p. 278 (Honours in Arts).

**NATURAL PHILOSOPHY**:—

*A. As a Principal Subject.*—The subjects of examination and the regulations regarding professions are the same as those for M.A. with Honours. See p. 279.

*B. As a Subsidiary Subject.*—As for M.A. Double-Course Students. See p. 269.

(As to qualifying courses, see page 109.)

### **ASTRONOMY.**

*A. As a Subsidiary Subject.*—The examination is partly written and partly practical. In the written examination the candidate has to show thorough knowledge of Spherical Astronomy as treated in Class B of the Professor's lectures and of Popular Astronomy, and comprehension of the principles developed in the lectures in Class A on Celestial Dynamics. The practical examination embraces calculation of the ephemeris of a planet (which can be made at any time at home), and the determination of time, azimuth, and latitude by transit instrument, theodolite, and sextant. Also see page 120.

*B. As the Principal Subject.*—In addition to (*A'*) the candidate is expected to profess additional chapters of Celestial Dynamics or the Professor's lectures as delivered in Class A in alternate years. He has also to calculate an orbit from observations or the perturbations of an orbit by Mechanical Quadrature, (at home), and to undertake additional observations.

### **CHEMISTRY.**

*A. As the Principal Subject.*—The course requires a minimum of two academical years from the time of passing the First Science Examination.

The following courses of lectures are obligatory:

1. Physical Chemistry (40 lectures).
2. Organic Chemistry (40 lectures).
3. Inorganic Chemistry (40 lectures).
4. Metallurgical Chemistry (Course B, 25 lectures).

In addition optional courses are provided in Radioactivity, History of Chemistry, Metallurgical Chemistry (Course A), and additional Organic Chemistry, together with short courses on special subjects from time to time, designed particularly for students aiming at special distinction.

The Practical Laboratory Work in connexion with the above covers a total period of at least 40 weeks, with a minimum of  $2\frac{1}{2}$  hours per day, and includes Quantitative Analysis, Organic Preparations, and the methods of Physical Chemistry.

The examination is held twice a year, in April and October, and consists of three papers, in Physical, Organic, and Inorganic Chemistry respectively. The Practical Examination will include Qualitative and Quantitative Analysis, the preparation and identification of Organic compounds, and the methods of Physical Chemistry.

As a guide to those commencing their Course the following time-table is suggested. Students are advised to commence their Course in the Summer Session if possible.

	WINTER SESSION.		SUMMER SESSION.
	<i>First Half.</i>	<i>Second Half.</i>	
First Year.	PHYSICAL CHEMISTRY LECTURES. Practical Quantitative Analysis.		Practical Quantitative Analysis.
Second Year.	INORGANIC CHEMISTRY LECTURES. Practical Physical Chemistry. Metallurgy (Course B). SPECIAL ORGANIC LECTURES.		Radioactivity—in whichever year held.

*B. As a Subsidiary Subject.*—According to the nature of the principal subject, one of the following four branches may be taken :

(1) Physical Chemistry; (2) Organic Chemistry; (3) Inorganic Chemistry; (4) Metallurgical Chemistry. For the first three branches the Lecture Courses are the same as (1), (2) and (3) of the preceding paragraph. In Metallurgical Chemistry Lecture Courses A and B are taken.

The Practical Laboratory Work covers a total period of at least 20 weeks, with a minimum of  $2\frac{1}{2}$  hours per day, of which the first part consists of Quantitative Analysis, which must be taken by all, whichever branch is offered, and the second of Laboratory Exercises in the special branch offered. In branch (3) the second part consists of Mineral Analysis and Assaying.

The examination is held twice a year, in April and October, and consists of one paper in the branch offered, together with a Practical Examination in Qualitative and Quantitative Analysis and in the special branch offered.

#### HUMAN ANATOMY.

Candidates for the final B.Sc. in Anatomy will be required to show a sound practical knowledge of Human Anatomy. When the subject is professed as a *Principal Subject* the candidate will be expected to show, in addition, a competent knowledge of Human Embryology and Morphology and of Physical Anthropology. When the subject is taken as a *Subsidiary Subject* the candidate will be required to pass on an honours standard in Embryology, Physical Anthropology, or some branch of Anatomy cognate with his principal subject.

The Professor should be consulted as to the course of study to be followed, and the books to be read in each individual case.

#### PHYSIOLOGY.

A candidate for the final B.Sc. in Physiology as chief subject will be expected to show a sound knowledge of General Physiology, and in addition must specialise on one or more of the following branches of the subject:

(1) Physiological Chemistry. (2) Digestion and Metabolism. (3) Circulation and Respiration. (4) The Neuro-muscular System. (5) The Special Senses and Experimental Psychology. The Professor should be consulted as to the books to be read upon each branch of the subject.

Candidates are expected to have a full knowledge of the special department chosen.

The Examination consists of written papers and of practical and oral examinations. The duly attested laboratory note-books of the candidate and any records of original work presented will be considered.

The practical examination will embrace (a) Physiological Chemistry, (b) Histology, and (c) Experimental work on General Physiology, such as is overtaken in the Advanced Practical Class, and will have special reference to the particular branch of the subject selected by the candidate.

Candidates taking Physiology as a subsidiary subject are expected to show a knowledge of the essentials of General Physiology and a more intimate knowledge of those parts of the subject which bear upon their chief subject. The range of this more special work should be decided in consultation with the Professor.

#### GEOLOGY.

Candidates for the final B.Sc. in Geology will be required to show somewhat fuller knowledge of the subjects enumerated at p. 270, and in addition a more advanced knowledge of the principles and methods of petrography; the methods of palaeontology, as illustrated by the study of the fossils of the South-Western Scotland; the stratigraphy of Scotland with especial reference to Western Scotland and a knowledge of

the principles of mining geology, including the study of ores and the chief economic mineral deposits, theories of Ore Deposition, the classification of ores, and the characters of some leading mining fields.

The essential laboratory text-book is *Cole's Aids in Practical Geology*, but candidates are expected to have read selected chapters from advanced text-books, general treatises and special memoirs, of which a list is supplied at the beginning of each session.

#### ZOOLOGY, INCLUDING COMPARATIVE ANATOMY.

##### As "Principal Subject."

Candidates are expected to show a general knowledge of the classification of the Animal Kingdom and of the structural, developmental, and other features characteristic of its subdivisions, together with a knowledge of the more general problems of Zoology, *e.g.* Evolutionary Theory, including Variation and Heredity, the principles of Zoogeography, the main data regarding the processes of maturation and conjugation of the germ cells, etc. Special lectures will be given by the Professor and other members of the staff upon such general portions of the subject.

The Examination is such as to test the general attainments of the candidate in Zoology while special stress is laid on such parts of the subject as have been dealt with in the various courses of instruction in the department during the preceding two years.

There is a Practical Examination, part of which is *viva voce*, in which in addition to their general knowledge of the subject candidates are expected to show skill in dissection and other methods of laboratory technique.

##### As a "Subsidiary Subject."

In addition to an elementary knowledge of the subject generally, candidates are expected to display knowledge on an Honours standard of some restricted part of the subject, chosen with due regard to the nature of the Candidate's principal subject and after consultation with the Professors concerned.

The following text-books are recommended in addition to those used by the elementary class:—

*Text-book of Zoology* by A. Sedgwick. *Comparative Anatomy of Vertebrates* by Wiedersheim. *Embryology* by W. Heape.

For reference in regard to special groups, *The Cambridge Natural History*, Lankester's *Zoology*.

Students are further recommended to read Weismann's *Evolution Theory*, Darwin's *Origin of Species*, and Kellicott's *General Embryology*.

#### BOTANY.

Candidates for the Final B.Sc. Examination in Botany will be expected to show an adequate knowledge of the External Morphology, Anatomy, and Physiology of Plants, and of the leading features in their Geological History. Also a general knowledge of the leading types, and classification of the main groups of Algæ, Fungi, Bryophyta, and Pteridophyta.

The syllabus of work in the course for B.Sc. (from April 1908 till further notice) may be obtained from the Registrar.

The following books are suggested:—As a general text-book, Strasburger's *Textbook of Botany*, latest Engl. Ed., or the *Chicago Textbook of Botany*, Coulter, etc., American Book Company. For more detailed information, especially of the Algæ and Fungi, Warming's *Systematic Botany*. For use in the garden, especially for flowering plants, Willis' *Flowering Plants and Ferns*, 2nd Edn. For field work, Hooker's *Students' Flora of the British Islands*.

The reading of Candidates should also extend to more special treatises; such as Scott's *Studies in Fossil Botany*; Schimper's *Plant Geography*; Haberlandt's *Physiological Plant-Anatomy*; Bower's *Origin of a Land Flora*; Campbell's *Mosses and Ferns*; Jost's *Lectures on Physiology of Plants*, etc., as well as to original papers, such as are referred to in the bibliography of Strasburger's *Textbook*.

There will be two three-hour papers, and two practical examinations [three hours each].

Candidates will also be examined orally.

#### GEOGRAPHY.

Candidates for B.Sc. who profess Geography as principal subject will be expected to show a thorough knowledge of Regional and Practical Geography as given in the Ordinary Class and in the Advanced Class, Part I. They will also be required to show a special knowledge of at least two of those branches of the subject which are discussed in separate courses of study in the Advanced Class, Part II.

A Candidate taking Geography as subsidiary subject will be required to profess, in addition to the work of the Ordinary Class, a special knowledge upon the Honours standard of Regional and Comparative Geography and of some particular branch of the subject, cognate with the principal subject chosen. In every case the Lecturer should be consulted at the beginning of the session.

#### Degrees in Science in Engineering.

The following are the provisions of Ordinance No. 23, Glasgow No. 2:—

I. Two Degrees in Science in Engineering may be conferred by the University of Glasgow, viz., Bachelor of Science in Engineering<sup>1</sup> and Doctor of Science in Engineering.

II. Every candidate for the degree of Bachelor of Science in Engineering must pass the Preliminary Examination<sup>2</sup> prescribed by the Arts Ordinance (Regulations for degrees in Arts), and the conditions with respect thereto imposed by the said ordinance [see pp. 238-248] are applicable in all respects to this ordinance except as follows:—(1) French or German may be substituted for Latin or Greek [see also p. 240]; (2) *Mathematics must be passed on the higher standard*; (3) a degree in Arts (not being a degree *honoris causa tantum*) in any of the Uni-

<sup>1</sup> By order of the Council of the Institution of Civil Engineers the possession of the Degree of B.Sc. in Engineering will exempt candidates applying for election into the Institution as Associate Members from passing the examination prescribed by the Council.

<sup>2</sup> As to the fee payable for examination in a special subject, see footnote on page 287.

University Court Ordinance No. XXXIX, Glasgow No. 12 (Affiliation of the Royal Technical College, Glasgow).—See Index, under Ordinances.

## TABLE OF EXAMINATIONS FOR DEGREE OF B.Sc. IN PURE SCIENCE DURING SESSION 1916-17.

Names to be given in and Fees paid to the Registrar, <sup>1</sup> The University. Date. <sup>2</sup>	FEE.	DATES OF WRITTEN EXAMINATIONS AND HOURS AT WHICH THE DIFFERENT PAPERS WILL BE SET. The Oral Examinations in Science follow the Written at dates to be arranged.	
From 21st August to 1st Sept., 1916, both days inclusive.	£1 IS. FOR EACH SUBJECT UNTIL £6 6S. SHALL HAVE BEEN PAID.	Geography, - - - - - Geography (Practical), - - - - - Geography, - - - - - Mathematics (Ord. and Hon.), - - - - - Anatomy, Part II., (Human Embryology), - - - - - Physiology, - - - - - Anatomy, Part II. (Physical Anthropol.), - - - - - Physiology, - - - - - Astronomy, - - - - - Botany, - - - - - Organic Chemistry (Final Exam.), - - - - - Inorganic Chemistry (Final Exam.), - - - - - Chemistry (First Exam.), - - - - - Anatomy, Part I., - - - - - Zoology, - - - - - Physical Chemistry (Final Exam.), - - - - - Physiology, - - - - - Astronomy, - - - - - Mathematics (Hon.), - - - - - Natural Philosophy (Ord. and Hon.), - - - - - Zoology (Practical), - - - - - Natural Philosophy (Hon.), - - - - - Metall. Chemistry, - - - - - Geology, Paper I., - - - - - Geology, Practical, - - - - - Geology, Paper II., - - - - -	Thursday, 21st Sept., 9-12 noon. Do., do., 2-5 p.m. Friday, 22nd Sept., 9-12 noon and 2-5 p.m. Saturday, 23rd Sept., 9-12 noon and 2-5 p.m. Monday, 25th Sept., 9-12 noon. Do., do., 2-5 p.m. Thursday, 28th Sept., 9-12 noon. Do., do., 2-5 p.m. Friday, 29th Sept., 9-12 noon. Do., do., 9-12 noon. Do., do., 9-12 noon. Do., do., 2-5 p.m. Do., do., 2-5 p.m. Saturday, 30th Sept., 9-11 a.m. Do., do., 9-12 noon. Do., do., 9-12 noon. Do., do., 12-3 p.m. Monday, 2nd Oct., 9-12 noon. Do., do., 9-12 noon. Friday, 6th Oct., 9-12 noon and 2-5 p.m. Saturday, 7th Oct., 9 a.m. Do., do., 9-12 noon. Monday, 9th Oct., 9-12 noon. Tuesday, 10th Oct., 9-12 noon. Do., do., 2-5 p.m. Wednesday, 11th Oct., 9-12 noon.

<sup>1</sup> For Women students, Miss Melville, Queen Margaret College.<sup>2</sup> When Names are not given in and Fees are not paid within the stated dates, a late Entry Fee of Twenty Shillings must be paid before the candidate can be admitted to examination. A candidate is not held to be entered for the examination until his name is entered, the fee paid, and all the necessary certificates, etc., lodged. Late Entry Fees will not be accepted less than eight days before the date of Examination.



Names to be given in and Fees paid to the Registrar, <sup>1</sup> The University. Date. <sup>2</sup>	* FEE.	EL 1s. FOR EACH SUBJECT UNTIL £6 6s. SHALL HAVE BEEN PAID.			
From 26th Feb. to 5th March, 1917, both days inclusive.			Zoology, - - - - - Inorganic Chemistry (Final Exam.), - Physiology, - - - - - Physical Chemistry (Final Exam.), - Anatomy, Part II. (Physical Anthropol.), - Botany, - - - - - Physiology, - - - - - Anatomy, Part I., - - - - - Physiology, - - - - - Chemistry (First Exam.), - - - - - Anatomy, Part II. (Human Embryology), - Organic Chemistry (Final Exam.), - Astronomy, - - - - - Astronomy, - - - - - Metall. Chemistry, - - - - - Zoology (Practical), - - - - - Geology, Paper I., - - - - - Geology, Practical, - - - - - Geology, Paper II., - - - - -	- 	

<sup>1</sup> See Footnote on previous page.

<sup>2</sup> See Footnote on previous page.

For Dates in regard to Science Preliminary Examination see page 245.

versities of the United Kingdom, or in any Colonial or Foreign University specially recognised for the purpose by the University Court after consultation with the Senatus Academicus, exempts from the Preliminary Examination; (4) the *Preliminary Examination must be passed before the candidate presents himself for any part of the First Science Examination, but not necessarily before the candidate enters on his curriculum.*

III. Candidates must in the course of not less than three academical years attend at least the nine courses of instruction prescribed under Section IX.

IV. (1) Five of the nine courses must be taken in this University. One of these courses must be a course in Engineering.

(2) Four may be taken in other Universities or institutions approved by the University Court, or under teachers recognised by the University Court for purposes of graduation in Science in Engineering<sup>1</sup>: Provided that the fees for attendance at an approved institution in Glasgow or under a recognised teacher there shall not be less than the fees exigible for the corresponding courses in the University of Glasgow.

[V. It is competent to the University Court to admit to the examinations for the degree of Bachelor of Science in Engineering, and to graduation, any candidate who presents the diploma of the Glasgow and West of Scotland Technical College,<sup>2</sup> and who has passed the Preliminary Examination hereinbefore appointed: Provided that before such candidate shall be admitted to the Final Science Examination prescribed under Section XI. hereof:—

(1) He shall, after having received the said diploma, have attended in this University at least three full courses, during at least one academical year; and of these courses one at least shall be in Engineering, *including Laboratory Practice.*<sup>3 4</sup>

(2) He shall, after having received the said diploma, have attended in this University such courses as will, along with the classes taken at the said College for the said diploma, be equivalent to the whole courses for the curriculum hereinafter instituted.<sup>5]</sup>

VI. The University Court may make regulations to enable candidates not matriculated students of the University availing themselves of the permission to attend Lectures at approved institutions or by recognised teachers in Glasgow, to obtain on payment of a fee not exceeding in amount the Matriculation Fee paid by the students of the University, a right to the use of the Library of the University.

<sup>1</sup>Applications for the acceptance of such courses should be addressed to the Secretary of the University Court, The University, Glasgow. Each application must be accompanied by certificates of attendance, on prescribed forms to be obtained from the Secretary of the Court, and also by a printed Calendar or Prospectus.

<sup>2</sup>Since February, 1912, "The Royal Technical College, Glasgow."

<sup>3</sup>See second note on page 301.

<sup>4</sup>Candidates for the Degree of B.Sc. in Mining Engineering, who possess the Diploma of the Royal Technical College, Glasgow, may attend in the University, as their course in "Engineering, including Laboratory Practice," the Mining Classes I., II., III., and the Mining Laboratory (Mining Class IV.).

<sup>5</sup>Repealed by U.C. Ordinance XXXIX., Sect. XII.

VII. (1) It shall be the duty of the Senatus to determine from time to time the number of meetings of which a full course in any subject in Applied Science shall consist, and to report its determination to the University Court for its approval.

(2) The Senatus, with the approval of the University Court, may sanction half courses of not less than half the number of meetings which constitute a full course in the subject; and two half courses shall be held to be equivalent to a full course in such cases as the Senatus, with the approval of the University Court, may determine, and under such regulations as may from time to time be made for that purpose by the same authority.

(3) It shall be the duty of the Professors and the Lecturers conducting courses, qualifying for graduation in Applied Science annually before the end of each Winter Session to submit to the Joint Board of Studies in Applied Science a scheme specifying in each case what proportion of the courses it is proposed to devote to lectures, practical demonstrations, examinations, and tutorial work respectively. It shall also be the duty of the said Professors and Lecturers annually at the end of each Winter Session to submit to the said Joint Board of Studies, for its consideration, a syllabus of the subjects and books proposed for the work of their classes during the next academical year.

(4) It shall be the duty of the Joint Board of Studies to consider these schemes and proposals, and any other matters relating to the subjects, extent, duration, hours, arrangement, and standard of the several courses proposed as qualifying for graduation in Applied Science, and to send reports thereon to the Senatus and to the Governors of the Royal Technical College, Glasgow. The Senatus shall transmit such reports, with any observations and recommendations it may think fit to make thereon, to the University Court. It shall be competent to the Governors of the College to communicate to the University Court such observations and recommendations as they may think fit to make on the reports framed by the Joint Board of Studies. The deliverance of the University Court shall be duly intimated to the Senatus and to the Governors of the College.<sup>1</sup>

VIII. The provisions of the preceding section do not apply to approved institutions or recognised teachers outside Glasgow; but the University Court shall not grant or continue recognition to any institutions or teachers unless it shall be satisfied that their courses of instruction are equivalent to the courses sanctioned in the University of Glasgow.

IX. The subjects of study<sup>2</sup> shall be as follows:—

1. Mathematics, including Analytical Geometry, and Differential and Integral Calculus.

<sup>1</sup> Transferred from U.C. Ordinance XXXIX., Sect. VII.

<sup>2</sup> The words in *italics* in this and other sections are modifications which the University Court, on representations by the Senate, made by virtue of the power conferred upon the Court by Section XIV. of this Ordinance.

2. Natural Philosophy, including Applied Higher Mathematics.
3. Chemistry.
4. A course in the Physical Laboratory,<sup>1</sup> or in the Chemical Laboratory, or of Practical Chemistry.

and either :—

- 5, 6. Two courses in Engineering,<sup>1</sup> including Laboratory Practice.
- 7, 8. Two courses of practical work in Drawing.
9. A course in one of the following :—
  - (a) Astronomy and Geodesy.
  - (b) Geology and Mineralogy.
  - (c) Naval Architecture.
  - (d) Engineering Laboratory, Mechanical or Electrical (Special Course). [This laboratory course cannot be taken concurrently with either of the laboratory courses specified under 5, 6.]
  - (e) Electricity—Pure and Applied.
  - (f) *Mining Engineering* (Class I. or Class II.).
  - (g) *Metallurgical Chemistry*.
  - (h) *Any half-course of lectures in Engineering not already taken under 5, 6.*
  - (i) *Civil Engineering*.
  - (j) *Fuels and their Applications*.

or :—

- 5, 6. Two courses in Naval Architecture with Marine Engineering.
- 7, 8. Two courses of practical work in Ship and Engineering Drawing.
9. A course in Engineering, including Laboratory Practice.

Provided that during the three years immediately subsequent to the date on which this ordinance shall come into force, the courses in Engineering herein prescribed shall not necessarily include Laboratory Practice.

IXA.<sup>2</sup> *The following is the curriculum for the Degree of B.Sc. in Mining Engineering :—*

FIRST YEAR: *Mathematics (Ordinary); Natural Philosophy (Ordinary); Chemistry; Chemical Laboratory; Mining, Class I. (50 meetings).*

SECOND YEAR: *Engineering, Class I.; Engineering, Class II. or III.; Mining, Class II. (50 meetings); Drawing; Geology and Mineralogy.*

<sup>1</sup>The Physical Laboratory must have been taken previously by those who take Electrical Engineering under 5, 6.

<sup>2</sup>This curriculum, having been arranged by the Senate, was sanctioned by the University Court on 18th June, 1903, in virtue of the power belonging to the Court according to Section XIV. of this Ordinance.

**THIRD YEAR:** *Electrical Engineering, Class I.; Metallurgy; Metallurgical Laboratory; Mining, Class III. (25 meetings); Mining (Practical), Class IV. (25 meetings);<sup>1</sup> Engineering Laboratory; Mining Geology (50 meetings).<sup>2</sup>*

*Provided that practical work in a mine shall be required of every candidate for the Degree of B.Sc. in Mining Engineering to such an extent and under such regulations as the Senate, with the approval of the University Court, may from time to time appoint.<sup>3</sup>*

Under this proviso, the following regulations, proposed by the Senate, were approved by the University Court:

1. Practical work in a mine shall be required for two periods of three months each, and the candidate must not be under sixteen years of age at the time of commencing this practical work.

2. The candidate must produce evidence satisfactory to the Senate that he has fulfilled this requirement.<sup>4</sup>

X. (1) There shall be a First Science Examination<sup>5</sup> in subjects 1, 2, 3, and 4 of the section immediately preceding.

(2) The examination in (1) Mathematics and (2) Natural Philosophy shall include the higher branches of Mathematics specified under Mathematics and the higher Mathematics included under Natural Philosophy in the section immediately preceding;<sup>5</sup> but it shall be optional to candidates to pass the same examination in either or both of these subjects as that required for the Ordinary Degree of Master of Arts: Provided that in that case they shall be required before graduation to pass a subsequent examination in the remainder of the subject or subjects.

(3) Candidates may present themselves in any one or more of the subjects of the First Science Examination at any examination held after they have attended a full course in the subject or subjects professed.

XI. (1) There shall be a Final Science Examination<sup>6</sup> in subjects 5, 6, 7, 8, and 9 of Section IX. hereof; and, if required, in the higher branches of Mathematics as provided in Section X., Sub-section 2 hereof.

<sup>1</sup> These six words were added by the University Court on 9th April, 1908.

<sup>2</sup> The last four words were added by the University Court on 11th April, 1907.

<sup>3</sup> This amending paragraph was added by the University Court on 21st July, 1904.

<sup>4</sup> The Secretary of State for the Home Department, on 29th September, 1904, approved of the University of Glasgow in respect of the Degree of B.Sc. in Mining Engineering and of the Certificate of Proficiency in Mining Engineering for the purposes of the Coal Mines Regulation Act (1887) Amendment Act, 1903.

<sup>5</sup> The Senate has authorised the Examiners in Mathematics and Natural Philosophy to return as having passed in the elementary part of either or both of these subjects any candidate who has attempted the examination in the higher branches of either or both and has failed to pass, provided that in the opinion of the Examiners the candidate has attained a standard equivalent to that required for the ordinary Degree of M.A.

<sup>6</sup> This examination includes practical work in the subjects admitting of, or requiring it: Provided that, in the case of Engineering Students, a practical examination shall be passed in Chemistry or Physics according as the Chemical or the Physical Laboratory Course has been chosen as part of the qualifying curriculum.

(2) Candidates may present themselves in any one or more of these subjects at any examination held after they have passed the First Science Examination and have attended the required courses in the subject or subjects professed: Provided that for this purpose subjects 5, 6, 7, and 8, specified in Section IX. hereof shall be deemed one subject.

The Senate has made the following regulation: Any Bachelor of Science in Engineering may be admitted to examination in one or more of the subjects enumerated in Section IX. not taken by him in his undergraduate course, and should he attain therein the standard required of candidates for that degree, he shall be entitled to receive a certificate to that effect; but he is not eligible for the award of "special distinction."<sup>1</sup>

XIA.<sup>2</sup> *The following is the Scheme of Examinations for the Degree of B.Sc. in Mining Engineering:—*

(1) *There shall be a First Science Examination in Mathematics (Ordinary), Natural Philosophy (Ordinary), Chemistry, and Chemical Laboratory, and a Final Science Examination in all the other subjects.*

(2) *Candidates may present themselves in any one or more of the subjects of the First Science Examination at any examination held after they have attended a full course in the subject or subjects professed; and in any one or more of the subjects of the Final Science Examination at any examination held after they have passed the First Science Examination, and have attended the required course or courses in the subject or subjects professed: provided that for this purpose Mining I., II., and III. shall be deemed one subject.*

The examination in the course of "Geology and Mineralogy" taken in the second year will include one written paper and a paper of practical questions; the examination in "Mining Geology" dealing with the course taken in the third year will include one written paper and a paper of practical questions.

XII. A candidate for the degree of Bachelor of Science in Engineering shall not be deemed to have attended a class as part of the curriculum for that degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

XIII. It is competent to the Examiners<sup>3</sup> for the degree of Bachelor of Science in Engineering to report that a candidate has passed with special distinction in one or more of the subjects professed by him; and in such a case a diploma shall be given setting forth the subjects in respect of which the degree has been granted, and the subject or subjects in which special distinction has been obtained.

XIV. It shall be competent to the University Court to modify from time to time the provisions as to curriculum hereinbefore contained, in case

<sup>1</sup> Candidates must have attended qualifying classes in the proposed subjects of examination, and must present the same certificates as are required in Section XII. of this Ordinance. The Examination Fee for each subject is One Guinea. Candidates are required to enter their names and to pay this fee within the dates applicable in these respects to the Science Degree Examinations.

<sup>2</sup> This amending section was added by the University Court on 8th April, 1909.

<sup>3</sup> See U.C. Ordinance XXXIX., Sect. VIII.

such modification shall be rendered desirable by the development of Applied Science in relation to Engineering, or by reason of further provision having been made within or without the University for the study of any other special branch of Applied Science: Provided that in no case shall the number of full courses of study required be less than the number required for the Degree of Bachelor of Science in Pure Science, as specified in Ordinance No. 12 (General No. 7—Regulations for Degrees in Science).<sup>1</sup>

#### DOCTORATE OF SCIENCE IN ENGINEERING.

XV. Graduates of the University of Glasgow who have held the degree of Bachelor of Science in Engineering for a term of five years may offer themselves for the degree of Doctor of Science in Engineering in the said University.

XVI. A candidate for the Degree of Doctor of Science in Engineering shall present a thesis or a published memoir or work<sup>2</sup> to be approved by the Senatus (on the recommendation of the Faculty of Science when duly constituted): Provided that, if required by the Senatus, the candidate shall be bound to pass such an examination as may from time to time be determined.

The thesis shall be a record of original research undertaken by the candidate, or of important engineering work designed by himself, and actually carried out, and shall be accompanied by a declaration, signed by him, that these conditions have been satisfied.<sup>3</sup>

#### GENERAL.

XVII. Candidates who produce certificates that they have satisfied all the conditions prescribed by this ordinance, and who have passed the necessary examinations, shall be entitled to receive the degrees of Bachelor of Science in Engineering and Doctor of Science in Engineering, as the case may be, on payment of the fees required.

XVIII. A student who, at the time when this ordinance shall come into operation, shall have completed a part of his course of study with a view to graduation in Science in Engineering in the University of Glasgow, under regulations in force at the time therein, and shall thereafter complete his course of study and pass the necessary examinations in conformity with such regulations,<sup>4</sup> or with the provisions of this Ordinance, may become a candidate for the degree of Bachelor of Science in Engineering.

XIX. The degrees of Bachelor and Doctor of Science in Engineering shall in no case be conferred on persons who have not complied with the conditions hereinbefore set forth, and shall not be conferred *honoris causâ tantum*.

XX. This Ordinance came into force from and after the date on which it was approved by Her Majesty in Council, viz., 26th June, 1893.

<sup>1</sup> As altered by U.C. Ordinance XXXIX., Sect. XIII.

<sup>2</sup> The Thesis must be lodged on or before 13th January.

<sup>3</sup> See second note on page 292.

<sup>4</sup> Students who began their course previous to 1890 may qualify themselves for the Degree of B.Sc. under the old regulations, which are given in the *University Calendar* for 1884-85; those who began in 1890, or 1891, or 1892 may qualify under the regulations contained in the *Calendar* for 1892-93.

UNIVERSITY OF GLASGOW  
AND  
ROYAL TECHNICAL COLLEGE, GLASGOW.

List of Courses approved under Section V. of the Affiliation Ordinance for Engineering (Ordinance No. 23, Section IX.).

R. T. COLLEGE DAY COURSES.

Mathematics I.  
Mathematics II.  
Natural Philosophy I.  
Natural Philosophy IIA.  
Inorganic Chemistry I.  
Physical Laboratory.  
Chemical Laboratory.  
Mechanics I. with Laboratory.  
Motive Power Engineering I.  
Mechanics II. with Laboratory.  
Motive Power Engineering II.  
Mechanics II. with Laboratory.  
Civil Engineering I. and II.  
Motive Power Engineering I. and II.  
<sup>1</sup> Electrical Engineering I and II.  
with Laboratory.  
Engineering Drawing I.  
Mechanical Engineering Drawing  
and Design II.  
Mechanical Engineering Drawing  
and Design III.  
Civil Engineering Drawing and  
Design.  
Electrical Engineering Drawing  
and Design.  
Geology I. with Laboratory.  
Engineering Laboratory, Special  
Course, Mechanical or Electrical.  
Mining Engineering I. or II.  
Surveying and Levelling, Lectures  
and Practical Work.  
Mine Surveying, Lectures and  
Practical Work.  
Metallurgy I.  
Fuels and their Applications, Lec-  
tures and Laboratory.  
<sup>2</sup> Civil Engineering I. and II.

For Mining (Ordinance No. 23, Section IXA.)

Mathematics I.  
Natural Philosophy I.  
Inorganic Chemistry I.

UNIVERSITY COURSES TO WHICH  
EQUIVALENT.

Mathematics V.  
Mathematics VI.  
Natural Philosophy (Ordinary).  
Natural Philosophy B.  
{ Chemistry (for Students of En-  
gineering).  
Physical Laboratory.  
Chemical Laboratory.  
{ Engineering Class I. with Labora-  
tory.  
{ Engineering Class IV. with Labo-  
ratory.  
{ A Course of Engineering with  
Laboratory.  
Engineering Class III.  
Electrical Engineering I. and II.  
with Laboratory.  
Engineering Drawing.  
{ Engineering Drawing.  
{ Engineering Drawing.  
{ Engineering Drawing.  
{ Engineering Drawing.  
Geology (for Engineering).  
Engineering Laboratory, Special  
Course, Mechanical or Electrical.  
Mining Class I. or II.  
{ Engineering Class II.  
{ Engineering Class II.  
Metallurgy.  
{ A Course under par. (9).  
A Course under par. (9).

<sup>1</sup> Provided that College Class Mechanics II. or University Engineering Class IV. is also taken.

<sup>2</sup> If not included in Engineering Group for Degree Examination.



## R. T. COLLEGE DAY COURSES.

Chemical Laboratory.  
 Mining I. and II.  
 Mining Laboratory.  
 Mechanics I. and Motive Power Engineering I.  
 Mine Surveying or Civil Engineering I.  
 Engineering Drawing I.  
 Geology I. with Laboratory.  
 Electrical Engineering I.  
 Metallurgy I.  
 Metallurgical Laboratory.  
 Engineering Laboratory.  
 Geology and Mineralogy II.

## UNIVERSITY COURSES TO WHICH EQUIVALENT.

Chemical Laboratory.  
 Mining Classes I., II. and III.  
 Mining (Practical) Class IV.  
 Engineering Class I.  
 Engineering Class II. or III.  
 Drawing.  
 Geology and Mineralogy I.  
 Electrical Engineering Class I.  
 Metallurgy.  
 Metallurgical Laboratory.  
 Engineering Laboratory.  
 Mining Geology.

## CERTIFICATES OF PROFICIENCY IN ENGINEERING SCIENCE.

Certificates of Proficiency in Engineering Science will be granted to students who shall have gone through the following course of study, practical work, and examinations, to the satisfaction of the Board of Examiners:—

1. Mathematics, including Analytical Geometry and Differential and Integral Calculus.
2. Natural Philosophy—the work of the Ordinary Class.
3. Chemistry.

And either:—

- 4, 5. Two courses in Engineering, including Laboratory Practice.
- 6, 7. Two courses of practical work in Drawing.
8. A course in one of the following:—
  - (a) Astronomy and Geodesy.
  - (b) Geology and Mineralogy.
  - (c) Naval Architecture.
  - (d) Engineering Laboratory, Mechanical or Electrical (special course). [This laboratory course cannot be taken concurrently with either of the laboratory courses specified under 4, 5.]
  - (e) Electricity—Pure and Applied.
  - (f) Mining Engineering (Class I. or Class II.).
  - (g) Metallurgical Chemistry.
  - (h) Any half course of lectures in Engineering not already taken under 4, 5.

Or:—

- 4, 5. Two courses in Naval Architecture with Marine Engineering.
- 6, 7. Two courses of practical work in Ship and Engineering Drawing.
8. A course in Engineering, including Laboratory Practice.

Certificates of Proficiency in Mining Engineering will be granted to students who shall have gone through the following course of

## TABLE OF EXAMINATIONS FOR DEGREE OF B.SC. IN ENGINEERING DURING SESSION 1916-17.

Names to be given in and Fees paid to the Registrar, The University. Date. <sup>1</sup>	FEE.	DATES OF WRITTEN EXAMINATIONS AND HOURS AT WHICH THE DIFFERENT PAPERS WILL BE SET.	
		The Oral Examinations in Science follow the Written at dates to be arranged.	
		SEPTEMBER—OCTOBER, 1916.	
From 21st August to 1st Sept., 1916, both days inclusive.	£1 1s. FOR EACH SUBJECT UNTIL £6 6s. SHALL HAVE BEEN PAID.	Mathematics, - - - - -	Saturday, 23rd Sept., 9-12 noon and 2-5 p.m.
		Mathematics (Special for Engineering), - - - - -	Do., do., 9-12 noon.
		Civil Engineering, - - - - -	Do., do., 2-5 p.m.
		Astronomy, - - - - -	Friday, 29th Sept., 9-12 noon.
		Chemistry, - - - - -	Do., do., 2-5 p.m.
		Electrical Engineering, Paper II., - - - - -	Saturday, 30th Sept., 9-12 noon.
		Astronomy, - - - - -	Monday, 2nd Oct., 9-12 noon.
		Engineering Laboratory, - - - - -	Do., do., 2-5 p.m.
		Electrical Engineering, Paper I., - - - - -	Tuesday, 3rd Oct., 9 a.m.
		Physical Laboratory, - - - - -	Do., do., 9-12 noon and 2-5 p.m.
		Engineering Drawing, - - - - -	Wed., 4th Oct., 9-12 noon.
		Naval Architecture, - - - - -	Do., do., 10-12.30 p.m.
		Engineering, Paper I., - - - - -	Do., do., 2-5 p.m.
		Engineering, Paper II., - - - - -	Thursday, 5th Oct., 9-12 noon.
		Engineering, Paper IV., - - - - -	Friday, 6th Oct., 9-12 noon and 2-5 p.m.
		Natural Philosophy, - - - - -	Do., do., 9-12 noon.
		Natural Philosophy (Special for Engineering), - - - - -	Do., do., 9-12 noon.
		Mining III., - - - - -	Do., do., 2-4 p.m.
		Mining Laboratory, - - - - -	Do., do., 9-12 noon.
		Mining II., - - - - -	Saturday, 7th Oct., 2-5 p.m.
		Mining I., - - - - -	Monday, 9th Oct., 2-5 p.m.
		Metallurgical Chemistry, - - - - -	Do., do., 2-5 p.m.
		Engineering, Paper III., - - - - -	Tuesday, 10th Oct., 9-12 noon.
		Geology, Paper I., - - - - -	Do., do., 2-5 p.m.
		Geology, Practical, - - - - -	Wed., 11th Oct., 9-12 noon.
		Geology, Paper II., - - - - -	Do., do., 9-12 noon.
		Electricity (Pure and Applied), - - - - -	Do., do., 9-12 noon.
		Fuels and their Applications, - - - - -	Do., do., 9-12 noon.

<sup>1</sup> When names are not given in and Fees are not paid within the stated dates, a late Entry Fee of Twenty Shillings must be paid before the candidate can be admitted to examination. A candidate is not held to be entered for the examination until his name is entered, the fee paid, and all the necessary certificates, etc., lodged. Late Entry Fees will not be accepted less than eight days before the date of Examination.

Names to be given in and fees paid to the Registrar, The University.  
Date.<sup>1</sup>

FEE.

£1 1s. FOR EACH SUBJECT UNTIL £6 6s.  
SHALL HAVE BEEN PAID.

Mathematics,	-	-	-	Friday, 23rd March,	9-12 noon and 2-5 p.m.
Mathematics (Special for Engineering),	-	-	-	Do.,	9-12 noon.
Civil Engineering,	-	-	-	Do.,	2-5 p.m.
Natural Philosophy,	-	-	-	Sat., 24th March,	9-12 noon and 2-5 p.m.
Natural Philosophy (Special for Engineering),	-	-	-	Do.,	9-12 noon.
Physical Laboratory,	-	-	-	Mon., 26th March,	9 a.m.
Engineering Laboratory,	-	-	-	Do.,	9-12 noon.
Chemistry,	-	-	-	Do.,	2-5 p.m.
Electrical Engineering, Paper I.,	-	-	-	Do.,	2-5 p.m.
Naval Architecture,	-	-	-	Tues., 27th March,	9-12 noon.
Engineering Drawing,	-	-	-	Do.,	9-12 noon and 2-5 p.m.
Astronomy,	-	-	-	Do.,	2-5 p.m.
Engineering, Paper I.,	-	-	-	Wed., 28th March,	10-12.30 p.m.
Engineering, Paper II.,	-	-	-	Do.,	2-5 p.m.
Engineering, Paper IV.,	-	-	-	Thurs., 29th March,	9-12 noon.
Mining III.,	-	-	-	Do.,	9-12 noon.
Astronomy,	-	-	-	Do.,	9-12 noon.
Metallurgical Chemistry,	-	-	-	Do.,	2-5 p.m.
Mining II.,	-	-	-	Friday, 30th March,	9-12 noon.
Mining I.,	-	-	-	Do.,	2-5 p.m.
Geology, Paper I.,	-	-	-	Sat., 31st March,	9-12 noon.
Geology, Practical,	-	-	-	Do.,	2-5 p.m.
Geology, Paper II.,	-	-	-	Monday, 2nd April,	9-12 noon.
Electrical Engineering, Paper II.,	-	-	-	Do.,	9-12 noon.
Engineering, Paper III.,	-	-	-	Do.,	2-5 p.m.
Electricity (Pure and Applied),	-	-	-	Tuesday, 3rd April,	9-12 noon.
Fuels and their Applications,	-	-	-	Do.,	9-12 noon.
Mining Laboratory,	-	-	-	Do.,	2-4 p.m.

<sup>1</sup> When names are not given in and fees are not paid within the stated dates, a late Entry Fee of Twenty Shillings must be paid before the candidate can be admitted to examination. A candidate is not held to be entered for the examination until his name is entered, the fee paid, and all the necessary certificates, etc., lodged. Late Entry Fees will not be accepted less than eight days before the date of Examination.

For Dates of the Preliminary Examinations see page 245.

study, practical work, and examinations, to the satisfaction of the Board of Examiners :—

**FIRST YEAR:** Mathematics (Ordinary); Natural Philosophy (Ordinary); Chemistry; Chemical Laboratory; Mining, Class I. (50 meetings).

**SECOND YEAR:** Engineering, Class I.; Engineering, Class II. or III.; Mining, Class II. (50 meetings); Drawing; Geology and Mineralogy.

**THIRD YEAR:** Electrical Engineering, Class I.; Metallurgy; Metallurgical Laboratory; Mining, Class III. (25 meetings); Mining (Practical), Class IV. (25 meetings); Engineering Laboratory; Mining Geology (50 meetings).

No candidate is admitted to the special examination for either certificate, in any department, till he has given regular attendance upon and duly performed the work of the prescribed course of study in that department.

**ROYAL TECHNICAL COLLEGE, GLASGOW.**—*Attendance in approved classes of the First Year at the Royal Technical College will be accepted as part of any curriculum for a Certificate of Proficiency. The remainder of the curriculum must be taken at Gilmorehill.*

**Candidates are not required to pass the Preliminary Examination.**

**UNIVERSITY COURT ORDINANCE No. XLVII. (GLASGOW No. 14).**

### **INSTITUTION OF A DEGREE IN SCIENCE IN APPLIED CHEMISTRY.**

At Glasgow the tenth day of December, Nineteen Hundred and fourteen years.

Whereas by the Universities (Scotland) Act, 1889, the Commissioners under the said Act were empowered by Section 14, subsection (5), to regulate, *inter alia*, the granting of degrees and the institution of new degrees:

And whereas by Ordinance No. 12 [General No. 7—Regulations for Degrees in Science] the said Commissioners instituted the degrees of Bachelor of Science and Doctor of Science in Pure Science, to be conferred by each of the Universities of Scotland, and ordained in Section XIII. of the said Ordinance that Degrees in Applied Science might be instituted and conferred according to Regulations to be laid down in special Ordinances applicable to each University by the said Commissioners or after the expiry of their powers by the University Court in each University:

And whereas the powers conferred by the said Act on the said Commissioners have expired:

And whereas by University Court Ordinance No. XXXIX. [Glasgow No. 12—Affiliation of the Royal Technical College, Glasgow], which received the approval of His Majesty in Council on the seventh day of

March, 1913, it is ordained, *inter alia*, that for the purposes of the said Ordinance certain provisions therein contained shall apply to such Regulations for Degrees in Applied Science made in pursuance of the said Ordinance or of Ordinance No. 12, Section XIII., aforesaid, as the University Court shall determine :

And whereas it is expedient, in order to improve and encourage education in Applied Chemistry, that a Degree in Science in Applied Chemistry should be instituted in the University of Glasgow :

Therefore the University Court of the University of Glasgow hereby statute and ordain as follows :

I. A Degree of Bachelor of Science in Applied Chemistry may be conferred by the University of Glasgow.

II. Every candidate for the Degree of Bachelor of Science in Applied Chemistry must pass the Preliminary Examination prescribed by University Court Ordinance No. XXIII. [Glasgow No. 6—Regulations for Degrees in Arts], and the condition with respect thereto imposed by the said Ordinance shall be applicable in all respects to the candidates for the Degree of Bachelor of Science in Applied Chemistry except as follows : (1) French or German may be substituted for Latin or Greek ; (2) Mathematics shall be passed on the Higher standard ; (3) a degree in Arts (not being a degree *honoris causa tantum*) in any of the Universities of the United Kingdom, or in any Colonial or Foreign University specially recognised for the purpose by the University Court after consultation with the Senatus Academicus, shall exempt from the Preliminary Examination ; (4) the Preliminary Examination must be passed before the candidate enters on his curriculum.

If a student, before passing the full Preliminary Examination, has attended a course of instruction qualifying for graduation, the Senate may, on special cause shown, permit him to count such course for purposes of graduation, on condition of his passing the full Preliminary Examination within such time thereafter as the Senate may appoint, and in every such case the Senate shall make a report to the University Court setting forth the reasons for the relaxation.

III. Candidates must in the course of not less than four academical years attend at least the nine courses of instruction prescribed under Section IX. of this Ordinance.

IV. (1) Five of the nine courses must be taken in the University of Glasgow.

(2) Four of the nine courses may be taken in other Universities or Institutions approved by the University Court or under Teachers recognised by the University Court for purposes of graduation in Science in Applied Chemistry : Provided that the fees for attendance at an approved Institution in Glasgow or under a recognised Teacher there shall not be less than the fees exigible for the corresponding courses in the University of Glasgow.

V. The University Court may make Regulations to enable candidates, not matriculated students of the University of Glasgow, availing themselves of the permission to attend courses of instruction at approved Institutions or by recognised Teachers in Glasgow, to obtain, on payment of a fee not exceeding in amount the Matriculation Fee paid by the students of the University, a right to the use of the Library of the University.

VI. If and when the University Court shall have determined that the provisions of University Court Ordinance No. XXXIX. [Glasgow No. 12], Section V., shall apply to the Regulations for the Degree of Bachelor of Science in Applied Chemistry herein contained, the subsequent Sections of the said Ordinance shall come into operation and have effect with regard to Applied Chemistry as a branch of Applied Science within the meaning of the said Ordinance.

VII. The provisions of Section VII. of University Court Ordinance No. XXXIX. [Glasgow No. 12] shall not apply to approved Institutions or recognised Teachers outside Glasgow; but the University Court shall not grant or continue recognition to any Institutions or Teachers unless it shall be satisfied that their courses of instruction are equivalent to the courses sanctioned in the University of Glasgow or in a College affiliated thereto.

VIII. Candidates must be matriculated students of the University when they present themselves for examination or graduation.

IX. The subjects of study shall be as follows:

1. Mathematics.
2. Natural Philosophy (with Laboratory instruction).
3. Chemistry (with Laboratory instruction).

And either the following (4—9):

4. Advanced Inorganic and Physical Chemistry (with Laboratory instruction).
5. Organic Chemistry (with Laboratory instruction).
6. General Technical Chemistry and Chemical Engineering (with Laboratory instruction).
7. Engineering Drawing.
8. Practical Physics (advanced).
9. A half-course in Engineering; and a half-course of one of the following special branches of Applied Chemistry (in each case with Laboratory instruction):

- (a) Fuels and their Applications (advanced).
- (b) Dyeing, Bleaching, and Printing.
- (c) Oils and Fats.
- (d) Sugar.
- (e) Physiological Chemistry (Biochemistry).
- (f) Technological Mycology.
- (g) Metallurgy.

Or the following (4\*—9\*):

- 4\*. A half-course in Advanced Inorganic Chemistry (with Laboratory instruction); and a half-course in Geology and Mineralogy.
- 5\*. Engineering.
- 6\*. Engineering Drawing.
- 7\*, 8\*. Two courses in Metallurgy, including Fuels (with Laboratory instruction).

9\*. A half-course in Electrical Engineering; and a half-course in one of the following branches of Advanced Metallurgy and Engineering:

- (a) Metallurgy and Mining of Precious Metals.
- (b) Metallurgy and Mining of Non-ferrous Metals.
- (c) Metallurgy of Iron and Steel, and their Treatment for purposes of Engineering.
- (d) Metallurgy of Alloys, and their Treatment for purposes of Engineering.

X. (1) There shall be a First Science Examination in subjects Nos. 1, 2, and 3 of the Section immediately preceding.

(2) The written examination in the subjects (1) Mathematics, (2) Natural Philosophy, and (3) Chemistry shall be of a standard not lower than that of the examination in these subjects for the Ordinary Degree of Master of Arts. In the subjects (2) and (3) there shall also be a practical examination; but under such conditions as the Senatus, with the approval of the University Court, may from time to time prescribe, a candidate who presents the records of the practical work done by himself during his attendance on the prescribed course of instruction may be exempted by the Examiners from such practical examination.

(3) Candidates may present themselves in any one or more of the subjects of the First Science Examination at any examination held after they have attended a full course of instruction in the subject or subjects professed.<sup>1</sup>

XI. (1) There shall be a Final Science Examination in subjects Nos. 4 to 9, and in subjects Nos. 4\* to 9\* of Section IX. hereof.

(2) Candidates may present themselves in any one or more of these subjects at any examination held after they have passed the First Science Examination and have attended the required courses of instruction in the subject or subjects professed.<sup>1</sup>

XII. A candidate for the Degree of Bachelor of Science in Applied Chemistry shall not be deemed to have attended a course of instruction as part of the Curriculum for that Degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the course.

XIII. It shall be competent to the Examiners for the Degree of Bachelor of Science in Applied Chemistry to report that a candidate has passed with special distinction in one or more of the subjects professed by him in the Final Science Examination; and in each case the graduate shall receive a diploma wherein shall be set forth the subjects in respect of which the Degree has been granted, and the subject or subjects in which special distinction has been obtained.

XIV. It shall be competent to the University Court of the University of Glasgow to modify from time to time the provisions as to Curriculum

<sup>1</sup> In the case of subjects which include a Lecture Course and a Laboratory Course, a candidate is not admitted to the Degree Examination until he has completed attendance both at the Lecture Course and the Laboratory Course; but he is allowed to take at one examination period either or both of these parts of the examination.

hereinbefore contained, in case such modification shall be rendered desirable by the development of Applied Science in relation to Chemistry or by reason of further provision having been made within or without the University for the study of any special branch of Applied Chemistry : Provided that in no case shall the number of full courses of study required be less than the number required for the Degree of Bachelor of Science in Pure Science as specified in Ordinance No. 12 [General No. 7—Regulations for Degrees in Science].

XV. Candidates who produce certificates that they have satisfied all the conditions prescribed by this Ordinance, and who have passed the necessary examinations, shall be entitled to receive the Degree of Bachelor of Science in Applied Chemistry on payment of the fees required.

XVI. The Degree of Bachelor of Science in Applied Chemistry shall in no case be conferred on persons who have not complied with the conditions hereinbefore set forth, and shall not be conferred *honoris causa tantum*.

XVII. Graduates who have obtained any Degree in the University of Glasgow, and who have either before or after graduation passed the Final Examination for the Degree of Bachelor of Science in Applied Chemistry, may offer themselves for the Degree of Doctor of Science (D.Sc.), Doctor of Philosophy (D.Phil.), or Doctor of Letters (D.Litt.), after the expiry of five years from the date of their graduation, in accordance with the provisions of University Court Ordinance No. XXVI.

XVIII. A student who, at the date at which this Ordinance comes into operation, has already commenced his course of study in the University of Glasgow, or in a College affiliated thereto, with a view to graduating as a Bachelor of Science in Pure Science or in Engineering or to obtaining the diploma of the College, and has, in conformity with the Regulations then in force for the degree or diploma, attended a course of instruction in any of the subjects set forth in Section IX. hereof, shall be entitled to reckon the course to have been attended for the purposes of the Regulations for the Degree of Bachelor of Science in Applied Chemistry ; and a student who has passed a First Science Examination in Mathematics, Natural Philosophy, or Chemistry for the Degree of Bachelor of Science in Pure Science or in Engineering shall be entitled to reckon the Examination to have been passed for the purposes of the Regulations for the Degree of Bachelor of Science in Applied Chemistry.

XIX. This Ordinance shall come into operation at the date on which it is approved by his Majesty in Council.

[Approved, 29th April, 1915.]



The following Courses have been approved for the DEGREE OF B.S.C. IN APPLIED CHEMISTRY.  
(U.C. Ordinance No. XLVII, Glasgow No. 14, Section IX.)

UNIVERSITY COURSES.		ROYAL TECHNICAL COLLEGE COURSES.	
1. Mathematics.		Mathematics I.	
2. Natural Philosophy (with Laboratory instruction).	V. First Course for Engineers. Ordinary Lecture Course ; with Ordinary Laboratory Course (one term of 10 hours a week, or two terms of 6 hours a week).	Natural Philosophy I ; with corresponding Course in Physical Laboratory.	
3. Chemistry (with Laboratory instruction).	Chemistry for Engineers ; with Chemical Laboratory (three terms).	Inorganic Chemistry I ; with corresponding Course in Chemical Laboratory (three terms).	
4. Advanced Inorganic and Physical Chemistry (with Laboratory instruction).	Advanced Inorganic Chemistry ; Physical Chemistry ; with corresponding Laboratory Courses (three terms).	Inorganic Chemistry II ; Physical and Electro-Chemistry ; with corresponding Laboratory Courses (three terms).	
5. Organic Chemistry (with Laboratory instruction).	Organic Chemistry ; with corresponding Laboratory Courses (three terms).	Organic Chemistry I and II ; with corresponding Laboratory Courses (three terms).	
6. General Technical Chemistry and Chemical Engineering (with Laboratory instruction).	—	General Course in Technical Chemistry ; followed by corresponding Laboratory Course (one term of 30 hours a week, or two terms of 15 hours a week).	

	UNIVERSITY COURSES.	ROYAL TECHNICAL COLLEGE COURSES.
7. Engineering Drawing.	Engineering Drawing and Design (two terms of 6 hours a week).	Engineering Drawing (two terms of 6 hours a week, or four terms of 3 hours a week).
8. Practical Physics (advanced).	Advanced Course in Natural Philosophy (ii) for B.Sc. (Pure Science).	Physical Laboratory, Advanced Course (one term).
9. A half-course in Engineering ; and a half-course in one of the following branches :	Parts of Engineering I, and III (50 lectures).	Descriptive Engineering (50 lectures).
(a) Fuels and their Applications (advanced).	—	Lecture Course ; with corresponding Laboratory Course (two terms of 6 hours a week, or one term of 12 hours a week).
(b) Dyeing, Bleaching, and Printing.	—	Lecture Course ; with corresponding Laboratory Course (two terms of 6 hours a week, or one term of 12 hours a week).
(c) Oils and Fats.	—	Lecture Course ; with corresponding Laboratory Course (two terms of 6 hours a week, or one term of 12 hours a week).
(d) Sugar.	—	Lecture Course ; with corresponding Laboratory Course (two terms of 6 hours a week, or one term of 12 hours a week).

	UNIVERSITY COURSES.	ROYAL TECHNICAL COLLEGE COURSES.
(e) Physiological Chemistry (Biochemistry).	Physiological Chemistry (Grieve Lecturer's Course).	—
(f) Technological Mycology.	—	Lecture Course; with corresponding Laboratory Course (two terms of 6 hours a week).
(g) Metallurgy.	Metallurgical Chemistry A and B; with corresponding Laboratory Courses (two terms of 6 hours a week).	Metallurgy I. A; with corresponding Laboratory Course (two terms of 6 hours a week).
4*. A half-course in Advanced Inorganic Chemistry (with Laboratory instruction); and A half-course in Geology and Mineralogy.	Advanced Inorganic Chemistry; with corresponding Laboratory Course (two terms). Geology and Mineralogy I.	Inorganic Chemistry II; with Chemical Laboratory (two terms). Geology I.
5*. Engineering.	Parts of Engineering I and III (100 lectures).	Descriptive Engineering (50 lectures); Mechanics of Structures (50 lectures).
6*. Engineering Drawing.	Engineering Drawing and Design (two terms of 6 hours a week).	Engineering Drawing (two terms of 6 hours a week).

	UNIVERSITY COURSES.	ROYAL TECHNICAL COLLEGE COURSES.
7*. { 8*. {	Two courses in Metallurgy, including Fuels (with Laboratory instruction).	Metallurgy I; Fuels and their Applications; with corresponding Laboratory Courses. Metallurgy II; with corresponding Laboratory Course.
9*. A half-course in Electrical Engineering; and a half-course in one of the following branches:	Electrical Engineering I; with corresponding Laboratory Course.	Electrical Engineering I; with corresponding Laboratory Course.
(a) Metallurgy and Mining of Precious Metals.	—	Metallurgy III. B; Mining Engineering II.
(b) Metallurgy and Mining of Non-ferrous Metals.	—	Metallurgy III. C; Mining Engineering II.
(c) Metallurgy of Iron and Steel, and their Treatment for purposes of Engineering.	—	Metallurgy III. A; Mechanics Laboratory II (testing of materials).
(d) Metallurgy of Alloys, and their Treatment for purposes of Engineering.	—	Metallurgy III. D; Mechanics Laboratory II (testing of materials).

Names to be given in and Fees paid to the Registrar, The University. Date. <sup>1</sup>	FEE.	DATES OF WRITTEN EXAMINATIONS AND HOURS AT WHICH THE DIFFERENT PAPERS WILL BE SET. The Oral Examinations in Science follow the Written at dates to be arranged. SEPTEMBER—OCTOBER, 1916.	
From 21st August to 1st Sept., 1916, both days inclusive.	£1 1s. FOR EACH SUBJECT UNTIL £6 6s. SHALL HAVE BEEN PAID.	Mathematics, - - - - - Organic Chemistry, - - - - - Metallurgy and Mining of Precious Metals, Inorganic Chemistry (Advanced), - - - Chemistry (First Exam.), <sup>2</sup> - - - - - Physical Chemistry, - - - - - Metallurgy and Mining of Non-ferrous Metals, - - - - - Fuels and their Applications (Advanced), Metallurgy of Iron and Steel and their Treatment for Purposes of Engineering, - - - - - Electrical Engineering I., - - - - - Physiological Chemistry, - - - - - Practical Physics, <sup>3</sup> - - - - - Do., do., (Advanced), <sup>2</sup> - - - - - Engineering Drawing, - - - - -	Saturday, 23rd Sept., 9—12 noon and 2—5 p.m. Friday, 29th Sept., 9—12 noon. Do., do., 9—12 noon. Do., do., 2—5 p.m. Do., do., 2—5 p.m. Saturday, 30th Sept., 9—12 noon. Do., do., 2—5 p.m. Do., do., 2—5 p.m.  Monday, 2nd Oct., 9—12 noon. Do., do., 2—5 p.m. Do., do., 2—5 p.m. Tuesday, 3rd Oct., 9 a.m. Do., do., 9 a.m. Do., do., 9—12 noon.

<sup>1</sup> When names are not given in and Fees are not paid within the stated dates, a late Entry Fee of Twenty shillings must be paid before the candidate can be admitted to examination. A candidate is not held to be entered for the examination until his name is entered, the fee paid, and all the necessary certificates, etc., lodged. Late Entry Fees will not be accepted less than eight days before the date of Examination.

<sup>2</sup> Candidates are required to lodge their Laboratory Note-Books at the Registrar's Office a fortnight before the examination.  
For Dates of the Preliminary Examinations, see page 245.

## TABLE OF EXAMINATIONS FOR DEGREE OF B.S.C. IN APPLIED CHEMISTRY DURING SESSION 1916-17.

Names to be given in and Fees paid to the Registrar, The University. Date. <sup>1</sup>	FEE.	DATES OF WRITTEN EXAMINATIONS AND HOURS AT WHICH THE DIFFERENT PAPERS WILL BE SET.  The Oral Examinations in Science follow the Written at dates to be arranged.  SEPTEMBER—OCTOBER, 1916.— <i>Continued.</i>	
From 21st August to 1st Sept., 1916, both days inclusive.	\$1 1s. FOR EACH SUBJECT UNTIL \$6 6s. SHALL HAVE BEEN PAID.	Engineering, - - - - -	Wednesday, 4th Oct., 9—12 noon.
		Metallurgy of Alloys and their Treatment for Purposes of Engineering, - - -	Do., do., 2—5 p.m.
		Technological Mycology, - - - - -	Do., do., 2—5 p.m.
		General Technical Chemistry and Chemical Engineering, - - - - -	Thursday, 5th October, 9—12 noon.
		Dyeing, Bleaching, and Printing, - - -	Do., do., 2—5 p.m.
		Natural Philosophy, - - - - -	Friday, 6th Oct., 9—12 noon and 2—5 p.m.
		Oils and Fats, - - - - -	Saturday, 7th Oct., 9—12 noon.
		Sugar, - - - - -	Do., do., 2—5 p.m.
		Metallurgy, - - - - -	Monday, 9th Oct., 9—12 noon.
		Do., including Fuels, - - - - -	Do., do., 9—12 noon.
		Geology and Mineralogy, - - - - -	Tuesday, 10th Oct., 9—12 noon.
		Do., do., Practical, - - - - -	Do., do., 2—5 p.m.

<sup>1</sup> When names are not given in and Fees are not paid within the stated dates, a late Entry Fee of Twenty Shillings must be paid before the candidate can be admitted to examination. A candidate is not held to be entered for the examination until his name is entered, the fee paid, and all the necessary certificates, etc., lodged. Late Entry Fees will not be accepted less than eight days before the date of Examination.

For Dates of the Preliminary Examinations see page 245.

Names to be given in and Fees paid to the Registrar, The University. Date. <sup>1</sup>	FEE.	DATES OF WRITTEN EXAMINATIONS AND HOURS AT WHICH THE DIFFERENT PAPERS WILL BE SET.  The Oral Examinations in Science follow the Written at dates to be arranged.  MARCH—APRIL, 1917.
From 26th February to 5th March, 1917, both days inclusive.	£1 is. FOR EACH SUBJECT UNTIL £6 6s. SHALL HAVE BEEN PAID.	Mathematics, - - - - - Metallurgy and Mining of Precious Metals, Inorganic Chemistry (Advanced), - - - Natural Philosophy, - - - - - Physical Chemistry, - - - - - Metallurgy and Mining of Non-ferrous Metals, - - - - - Practical Physics, <sup>2</sup> - - - - - Do., (Advanced), <sup>2</sup> - - - - - Metallurgy of Iron and Steel and their Treatment for Purposes of Engineering, - - - - - Chemistry (First Exam.), <sup>2</sup> - - - - - Electrical Engineering I, - - - - - Engineering Drawing, - - - - - Organic Chemistry, - - - - - Engineering, - - - - -
		Friday, 23rd March, 9—12 noon and 2—5 p.m. Do., do., 9—12 noon. Do., do., 2—5 p.m. Saturday, 24th March, 9—12 noon and 2—5 p.m. Do., do., 9—12 noon. Do., do., 2—5 p.m. Monday, 26th March, 9 a.m. Do., do., 9 a.m. Do., do., 9—12 noon. Do., do., 2—5 p.m. Do., do., 2—5 p.m. Tuesday, 27th March, 9—12 noon. Do., do., 2—5 p.m. Wednesday, 28th March, 9—12 noon.

<sup>1</sup> When names are not given in and Fees are not paid within the stated dates, a late Entry Fee of Twenty Shillings must be paid before the candidate can be admitted to examination. A candidate is not held to be entered for the examination until his name is entered, the fee paid, and all the necessary certificates, etc., lodged. Late Entry Fees will not be accepted less than eight days before the date of Examination.

<sup>2</sup> Candidates are required to lodge their Laboratory Note-Books at the Registrar's Office a fortnight before the examination. For Dates of the Preliminary Examinations see page 245.

TABLE OF EXAMINATIONS FOR DEGREE OF B.SC. IN APPLIED CHEMISTRY DURING SESSION 1916-17

Names to be given in and Fees paid to the Registrar, The University, Date. <sup>1</sup>	FEE.	DATES OF WRITTEN EXAMINATIONS AND HOURS AT WHICH THE DIFFERENT PAPERS WILL BE SET.  The Oral Examinations in Science follow the Written at dates to be arranged.  MARCH—APRIL, 1917.— <i>Continued.</i>	
From 26th February to 5th March, 1917, both days inclusive.	£1 1s. FOR EACH SUBJECT UNTIL £6 6s. SHALL HAVE BEEN PAID.	Metallurgy of Alloys and their Treatment for Purposes of Engineering, - - - General Technical Chemistry and Chemical Engineering, - - - Metallurgy, - - - Do., including Fuels, - - - Dyeing, Bleaching, and Printing, - - - Oils and Fats, - - - Geology and Mineralogy, - - - Do., do., Practical, - - - Sugar, - - - Physiological Chemistry, - - - Fuels and their Applications (Advanced), - - - Technological Mycology, - - -	Wednesday, 28th March, 2—5 p.m. Thursday, 29th March, 9—12 noon. Do., do., 2—5 p.m. Do., do., 2—5 p.m. Friday, 30th March, 9—12 noon. Do., do., 2—5 p.m. Saturday, 31st March, 9—12 noon. Do., do., 2—5 p.m. Monday, 2nd April, 9—12 noon. Do., do., 2—5 p.m. Tuesday, 3rd April, 9—12 noon. Do., do., 2—5 p.m.

<sup>1</sup> When names are not given in and Fees are not paid within the stated dates, a late Entry Fee of Twenty Shillings must be paid before the candidate can be admitted to examination. A candidate is not held to be entered for the examination until his name is entered, the fee paid, and all the necessary certificates, etc., lodged. Late Entry Fees will not be accepted less than eight days before the date of Examination.

For Dates of the Preliminary Examinations see page 245.



## Degree in Science in Agriculture.

The regulations for the Degree of Bachelor of Science in Agriculture are contained in Ordinance No. 134 of the Universities Commission (1889), and are as follows:—

I. A degree of Bachelor of Science in Agriculture may be conferred by the University of Glasgow.

II. Every candidate for the degree of Bachelor of Science in Agriculture must pass the Preliminary Examination<sup>1</sup> prescribed by the Arts Ordinance (Regulations for Degrees in Arts); and the conditions with respect thereto imposed by the said Ordinance (see pp. 238-248) shall be applicable in all respects to this Ordinance except as follows:— (1) French or German may be substituted for Latin or Greek; (2) Mathematics shall be passed on the higher standard;<sup>2</sup> (3) a degree in Arts (not being a degree *honoris causâ tantum*) in any of the Universities of the United Kingdom, or in any Colonial or Foreign University specially recognised for the purpose by the University Court after consultation with the Senatus Academicus, shall exempt from the Preliminary Examination; (4) the Preliminary Examination must be passed before the candidate presents himself for any part of the First Science Examination, but not necessarily before the candidate enters on his curriculum.

III. (1) Candidates must in the course of not less than three Academical years, within the meaning of the Ordinance hereinbefore first mentioned, attend at least twelve courses of instruction, in the subjects specified in Section VIII. of this Ordinance.

(2) It shall be the duty of the Senatus to determine from time to time which of the said courses shall be full courses and which shall be half courses respectively, and also to determine the number of meetings of which such full courses and half courses respectively shall consist, and to report its determination to the University Court for its approval.

Under this subsection the Senate, with the approval of the University Court, has determined that of the subjects specified in Section VIII. of this Ordinance, Nos. 1, 2, 3, 4, 5, 6 and 10 shall be taught in full courses, and Nos. 7, 8, 9, 11 (a), 11 (b), 11 (c) and 12 in half courses, and that the number of meetings shall be those inserted in square brackets in Section VIII. opposite the several subjects.

IV. (1) Five full courses or their equivalent (counting two half courses as one full course) must be taken in the University of Glasgow. The course in Agriculture and Rural Economy must also be taken in the University of Glasgow, if instruction in the said subjects be provided in the University, or in the West of Scotland Agricultural

<sup>1</sup> As to the fee payable for examination in a special subject, see footnote on p. 287.

<sup>2</sup> Candidates for the Degree of B.Sc. in Agriculture may offer themselves for examination in Mathematics on the intermediate instead of on the higher standard; provided that in addition to the ancient or modern language already taken they also offer themselves for examination in a modern language as a fifth subject, such further examination to be on the standard prescribed by the Joint Board for the Medical Preliminary.

College<sup>1</sup>: Provided always that that course in the said College shall be accepted as equivalent to a course in the University, subject to the following conditions:—

(a) The Senatus Academicus shall be represented on the governing body of the Agricultural College.<sup>1</sup>

(b) All future appointments to the Chair of Agriculture in the Agricultural College<sup>1</sup> shall be vested in a Joint Committee, consisting of three members of the University Court and of three members of the governing body of the Agricultural College.<sup>1</sup>

(2) The remainder of the said courses may be taken in other Universities or Institutions approved by the University Court, or under teachers recognised by the University Court for purposes of graduation in Science in Agriculture: Provided that the fees for attendance at an approved Institution in Glasgow or under a recognised teacher there shall not be less than the fees exigible for the corresponding courses in the University of Glasgow.

(3) Residence and practical work at a farm shall be required of each candidate to such an extent and under such regulations as the Senatus, with the approval of the University Court, may from time to time appoint.

Under this subsection the following regulations have been made by the Senate, with the approval of the University Court.

1. Residence and practical work at a farm for twelve months shall be required, and the candidate must not be under sixteen years of age when he commences the residence.

2. The residence must be for twelve consecutive months, except in special cases in which the Senate may grant recognition of residence during two shorter periods amounting together to at least twelve months.

3. The candidate must produce evidence, satisfactory to the Senate, that he has fulfilled these regulations.

V. All students availing themselves of the permission to attend the lectures of the teachers in the various departments of Agriculture in the West of Scotland Agricultural College, or of teachers in other approved institutions in Glasgow, or of other recognised teachers in Glasgow, must, at the commencement of each year of such attendance, enrol their names in a book to be kept in the University for that purpose, paying a fee of the same amount as the matriculation fee paid by the students of the University, and having in respect of such payment a right to the use of the Library of the University.

<sup>1</sup> An ordinance was framed by the University Court on 6th August, 1900, and approved by His Majesty in Council on 24th July, 1901, which substituted the West of Scotland Agricultural College for the Glasgow and West of Scotland Technical College (now the Royal Technical College, Glasgow).

VI. (1) It shall be the duty of the Professors and Lecturers annually, at the end of each winter session, to submit to the Senatus a scheme specifying what proportion of the courses shall be devoted to lectures, practical demonstrations, examinations, and tutorial work respectively. The Senatus shall transmit such scheme, with such observations as it may think fit to make thereon, to the University Court for its approval.

(2) It shall be the duty of the Professors and Lecturers annually, at the end of each winter session, to submit to the Faculty of Science for its consideration a syllabus of the subjects and books proposed for the work of their classes during the next Academical year. The Faculty of Science shall transmit such syllabus, with such observations as it may think fit to make thereon, to the Senatus for its approval.

VII. The provisions of the immediately preceding section shall not apply to approved institutions or recognised teachers outside Glasgow; but the University Court shall not grant or continue recognition to any institutions or teachers unless it shall be satisfied that their courses of instruction are equivalent to the courses sanctioned in the University of Glasgow, where such exist.

VIII. The subjects of study shall be as follows:—

1.  $\left\{ \begin{array}{l} \text{Mathematics [100 meetings].} \\ \text{or Biology, i.e., } \left\{ \begin{array}{l} \text{Zoology [100 meetings, viz., 50 lectures and 50} \\ \text{and practical].}^1 \\ \text{Botany, [100 meetings, viz., 50 lectures and 50} \\ \text{practical].}^2 \end{array} \right. \end{array} \right.$
2. Natural Philosophy [100 meetings].
3. Chemistry [100 meetings and three months in Chemical Laboratory].
4. Agriculture and Rural Economy [100 meetings].
5. Agricultural Chemistry [100 meetings, viz., 50 lectures and 50 practical].
6. Geology [80 meetings, including 50 lectures and 28 practical demonstrations].
7. Veterinary Hygiene [50 meetings].
8. Agricultural Botany [50 meetings].
9. Agricultural Entomology [25 meetings].
10. Economic Science as applied to Agriculture [100 meetings].<sup>3</sup>

<sup>1</sup> The scope of the examination in Zoology is the same as that for Pure Science (First Exam.) and for Arts. See p. 270.

<sup>2</sup> See p. 138.

<sup>3</sup> The Royal Technical College, Glasgow, contemplates the institution of a special class for the teaching of this subject in 50 meetings. Until this special class shall be instituted candidates are required to attend the ordinary class of Political Economy [100 meetings]. After both classes are available students will have the option of taking either. In the examination prescribed under Section X. every candidate shall be required to work a paper of questions on Economic Science as applied to Agriculture.

11. One of the following:—

- (a) Forestry [50 meetings].
- (b) Experimental Physics [50 meetings].
- (c) Engineering [50 meetings].

12. Engineering Field Work [50 meetings].

IX. (1) There shall be a First Science Examination in the three following subjects—viz., (1) Mathematics or Biology (*i.e.*, Zoology and Botany); (2) Natural Philosophy; (3) Chemistry.

(2) The examination in all these subjects shall be the same as the examination in these subjects for the degree of Bachelor of Science, under the provisions of Ordinance No. 12 [General, No. 7—Regulations for Degrees in Science].<sup>1</sup>

(3) Candidates may present themselves in any one or more of the subjects of the First Science Examination at any examination held after they have attended a full course in the subject or subjects professed.

X. (1) There shall be a Final Science Examination<sup>2</sup> in the remaining subjects (4 to 12 inclusive) specified in Section VIII. hereof.

(2) Candidates may present themselves in any one or more of these subjects at any examination held after they have passed the whole of the subjects comprised in the First Science Examination, and have attended the required courses in the subjects professed.

XI. A candidate for the degree of Bachelor of Science in Agriculture shall not be deemed to have attended a class as part of the Curriculum for that degree who does not present a certificate bearing, not only that he has given regular attendance, but also that he has duly performed the work of the class.

XII. The Examiners for the degree of Bachelor of Science in Agriculture shall be the Professors of the subjects in the Curriculum in the University of Glasgow, the Professor of Agriculture in the West of Scotland Agricultural College, and such additional Examiners as the University Court shall see fit to appoint.

#### GENERAL.

XIII. Candidates who produce certificates that they have satisfied all the conditions prescribed by this Ordinance, and who have passed the necessary examinations, shall be entitled to receive the degree of Bachelor of Science in Agriculture, on payment of the fees required.

XIV. The degree of Bachelor of Science in Agriculture shall in no case be conferred on persons who have not complied with the conditions hereinbefore set forth, and shall not be conferred *honoris causâ tantum*.

XV. This ordinance came into force from and after the date on which it was approved by Her Majesty in Council, viz., 13th August, 1895.

<sup>1</sup> See Section VIII., Pure Science, p. 288.

<sup>2</sup> The examination in Agricultural Botany, Agricultural Entomology, and Experimental Physics, may be practical.

The Oral Examinations in Science follow the Written at dates to be arranged.

DATES OF EXAMINATIONS FOR B.SC.

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In and Fees paid to the Registrar, The University. Date. <sup>1</sup>	FEE. £1 1s. FOR EACH SUBJECT UNTIL £6 6s. SHALL HAVE BEEN PAID.	The Oral Examinations in Science follow the Written at dates to be arranged.		
		Mathematics, -	-	Sat., 23rd September, 9-12 noon and 2-5 p.m.
From 21st August to 1st Sept., 1916, both days inclusive.		Botany, -	-	Friday, 29th September, 9-12 noon.
		Chemistry, -	-	Do., 30th September, 2-5 p.m.
		Zoology, -	-	Sat., 30th September, 9-12 noon.
		Physical Laboratory, Economic Science, -	-	Tues., 3rd October, 9 a.m.
		Engineering Field Work, Natural Philosophy, -	-	Do., 2-5 p.m.
		Agriculture, -	-	Wed., 4th October, 2-5 p.m.
		Agricultural Entomology, Zoology (Practical), -	-	Friday, 6th October, 9-12 noon, and 2-5 p.m.
		Engineering, -	-	Do., 9-12 noon.
		Veterinary Hygiene, Geology, Paper I., -	-	Do., 2-5 p.m.
		Practical, -	-	Do., 9-12 noon.
		" Paper II., -	-	Wed., 11th October, 9-12 noon.
		Zoology, -	-	Friday, 23rd March, 9-12 noon.
		Botany, -	-	Sat., 24th March, 9-12 noon.
		Physical Laboratory, Chemistry, -	-	Mon., 26th March, 9 a.m.
From 26th Feb. to 5th March, 1917, both days inclusive.		Engineering Field Work, Agriculture, -	-	Do., 2-5 p.m.
		Agricultural Entomology, Engineering, -	-	Wed., 28th March, 2-5 p.m.
		Veterinary Hygiene, Zoology (Practical), -	-	Thurs., 29th March, 9-12 noon.
		Practical, -	-	Do., 2-5 p.m.
		Geology, Paper I., -	-	Do., 2-5 p.m.
		" Paper II., -	-	Friday, 30th March, 9-11 a.m.
		Mathematics, -	-	Do., 2-5 p.m.
		Natural Philosophy, Economic Science, -	-	Sat., 31st March, 9 a.m.
			-	Do., 9-12 noon.
			-	Do., 2-5 p.m.
			-	Mon., 2nd April, 9-12 noon.
			-	Thurs., 31st May, 9-12 noon and 2-5 p.m.
			-	Thurs., 7th June, 9-12 noon and 2-5 p.m.
			-	Mon., 11th June, 2-5 p.m.

<sup>1</sup>When Names are not given in and Fees are not paid within the stated dates, a late Entry Fee of Twenty Shillings must be paid before the candidate can be admitted to examination. A candidate is not held to be entered for the examination until his name is entered, the fee paid, and all the necessary certificates, etc., lodged. Late Entry Fees will not be accepted less than eight days before the date of Examination.

For Dates in regard to Science Preliminary Examination see page 245.

## Degrees in Science in Public Health.

The following are the provisions of University Court Ordinance No. vi. (Glasgow, No. 2):—

I. Two degrees in Science in Public Health shall be conferred by the University of Glasgow, viz.: Bachelor of Science in Public Health (B.Sc. Pub. Health) and Doctor of Science in Public Health (D.Sc. Pub. Health).

## B.SC. IN PUBLIC HEALTH.

II. Candidates for the degree of Bachelor of Science in Public Health must be graduates in Medicine of a University of the United Kingdom, or of some other University recognised for the purpose by the University Court of the University of Glasgow.

III. Candidates must be matriculated for the year in which they appear for examination or graduation.

IV. Candidates shall be admitted to the Degree of Bachelor of Science in Public Health only after they have fulfilled the following conditions, viz.: they must produce evidence

(1) That, after their graduation in Medicine, they have received practical instruction, including instruction in Chemistry, Bacteriology, and the Pathology of the Diseases of Animals transmissible to man, for at least twenty hours per week during a period of not less than eight months, of which at least five consecutive months must be in the Public Health Laboratory of the University of Glasgow, and the remainder in the foresaid Laboratory, or in a Public Health Laboratory recognised for the purpose by the University Court.

(2) That they have attended either before or after graduation in Medicine, such courses on (a) Physics and (b) Geology, either in the University of Glasgow or elsewhere, as would qualify for graduation in Science or Arts in the said University; or have attended in said University or any other Scottish University in addition to the course in Physics qualifying for graduation in Medicine, such further course in Physics as the Senatus Academicus, with the approval of the University Court, shall deem necessary,<sup>1</sup> and such a course in Geology extending over not less than three months, as the Senatus with the like approval shall deem sufficient and appropriate.

(3) That after their graduation in Medicine they have attended two separate courses in Public Health, one course dealing with Medicine and consisting of seventy-five meetings of the class, the other with Engineering and consisting of twenty-five meetings of the class, each in its relation to Public Health, in such manner as the Senatus Academicus, with the approval of the University Court, shall determine.

(4) That after their graduation in Medicine they have for six months, three of which must be continuous, been engaged in acquiring a

<sup>1</sup>The course approved is a special course in Practical Work in the Physical Laboratory of 6 hours per week during the first term of the Winter Session, and a tutorial course of lectures during the second winter term.

practical knowledge of the duties, routine and special, of Public Health Administration under the personal supervision of :<sup>1</sup>

- (a) In England and Wales, the Medical Officer of Health of a County or of a single or combined Sanitary District having a population of not less than 50,000, or a Medical Officer of Health devoting his whole time to Public Health work ; or
- (b) In Scotland, a Medical Officer of Health of a County or Counties, or of one or more Sanitary Districts having a population of not less than 30,000 ; or
- (c) In Ireland, a Medical Superintendent Officer of Health of a District or Districts having a population of not less than 30,000 ; or
- (d)<sup>2</sup> In the British Dominions outside the United Kingdom, a Medical Officer of Health of a Sanitary District having a population of not less than 30,000, who himself holds a registrable Diploma in Public Health ; or
- (e) A Medical Officer of Health who is also a Teacher in the Department of Public Health of a recognised Medical School ; or
- (f)<sup>2</sup> A Sanitary Staff Officer of the Royal Army Medical Corps having charge of an Army Corps, District, Command, or Division, recognised for this purpose by the General Medical Council ;<sup>3</sup> or
- (g) An Assistant Medical Officer of Health of a County, or of a single Sanitary District having a population of not less than 50,000, provided the Medical Officer of Health of the County or District in question permits the Assistant Officer to give the necessary instruction and issue certificates :

*Or* that the candidate has himself held for a period of not less than three years an appointment as Medical Officer of Health of a Sanitary District within the British Dominions and having a population of not less than 15,000.

Half of the above period must be devoted solely to the study of sanitary work as aforesaid ; the other half partly to the same study.

(5) That after their graduation in Medicine they have attended at least twice weekly during three months the practice of an Hospital for Infectious Diseases in an Hospital at which opportunities are afforded

<sup>1</sup> For the purposes of Regulation IV. (4) the certificate must include testimony that the candidate has attended under the supervision of the person testifying on not less than 60 working days.

<sup>2</sup> Paragraphs (d) and (f) were added on 7th July, 1910, by the University Court in virtue of the power reserved to them by Section VIII. of this Ordinance.

<sup>3</sup> The following Districts and Commands have been recognised under this rule :—Aldershot, Salisbury Plain, Southern and South-Eastern, Western, Dublin and Belfast, Cork, Chatham and Woolwich, Home, Eastern, North-Eastern and North-Western, Scottish, Gibraltar Command, Malta Command ; and the following Indian Divisions, viz. 1st (Peshawar), 2nd (Rawalpindi), 3rd (Lahore), 4th (Quetta), 5th (Mhow), 6th (Poona), 7th (Meerut), 8th (Lucknow), 9th (Secunderabad), and Burmah.

for the study of Methods of Administration, recognised for the purpose by the University Court;<sup>1</sup> and

(6) That they have had three months' instruction in Mensuration and Drawing under a teacher recognised for the purpose by the University Court.

V.<sup>2</sup> Each candidate shall be examined both in writing and orally, and also practically where the nature of the subject admits, in the following divisions, viz.: *First*, in (a) Public Health Laboratory work, (b) Physics, and (c) Geology, if an examination in Physics or Geology, as the case may be, qualifying for graduation either in Science or Arts has not previously been passed by the Candidate; *Second*, in (a) Sanitation, including reports on dwellings, workshops, hospitals, and sanitary schemes generally, (b) Sanitary Law, (c) Vital Statistics, and (d) Medicine in its bearings on Public Health, and the examinations in these subjects shall be taken at one time.

VI. Candidates who have passed their examinations in the subjects comprised in the first division shall not be admitted to examination in the second division sooner than eighteen months after having taken their degree in Medicine, nor sooner than six months after having passed the first examination.

VII. The Board of Studies for the Faculty of Science along with the Lecturer or Professor of Public Health shall from time to time, with the approval of the Senatus and the University Court, determine and announce the character of the instruction to be given in the Laboratory, and shall fix the standard of the examinations.

VIII. It shall also be competent for the University Court, after consultation with the Senatus, to modify from time to time the provisions as to the work and instruction hereinbefore specified as necessary for graduating in Science in Public Health, in case such modification shall be rendered desirable by the development of the Science of Public Health, or by increase of the facilities provided in the said University or elsewhere for the study of any branch of the said Science.

IX. The Examiners for graduation in Science for the Degree of B.Sc. in Public Health in the University of Glasgow shall be the Professors in that University whose subjects qualify for graduation in Science, together with such Lecturers in the University, and such additional Examiners to be appointed by the University Court as the University Court shall deem necessary, provided that the Court shall make such

<sup>1</sup>Methods of administration shall include the methods of dealing with patients at their admission and discharge as well as in the wards, and the medical superintendence of the Hospital generally.

In the case of a Medical Officer of the Royal Army Medical Corps, a certificate from a Principal Medical Officer under whom a candidate has served stating that he has during a period of at least three months been diligently engaged in acquiring a practical knowledge of Hospital Administration in relation to Infectious Diseases will be accepted as evidence under Regulation (5).

<sup>2</sup>The Senate, with the approval of the University Court, has made, under Ordinance No 13, the following regulation:—A period of not less than twelve months shall have elapsed between the attainment of a registrable qualification in Medicine, Surgery, and Midwifery, and the admission of the candidate to any examination, or any part thereof, for the Degree of B.Sc. in Public Health.



provision as will ensure that every candidate shall be examined in each subject by at least two Examiners, of whom one shall not be a Professor or Lecturer in the University. Provided also that the Examination under Section V. in Sanitation, including reports of dwellings, workshops, and hospitals, and sanitary schemes generally, shall be conducted by two Examiners, one of whom shall be a Medical Officer of Health, and the other shall be the Professor of, or Lecturer on, Public Health in the University.

#### D.SC. IN PUBLIC HEALTH.

X. Graduates who have held the degree of Bachelor of Science in Public Health from the University of Glasgow for a term of five years, may offer themselves for the Degree of Doctor of Science in Public Health in the said University.

XI. Each candidate for the degree of Doctor of Science in Public Health shall present a thesis or a published memoir or work to be approved by the Senatus, on the recommendation of the Faculty of Science, and shall also be required to pass an examination in Public Health, and in such of its special departments as the Senatus, with the approval of the University Court, by regulations framed from time to time, shall determine.

The thesis, or published memoir or work, shall be a record of original research undertaken by the candidate, and shall be accompanied by a declaration, signed by him, that the work has been done, and the thesis or memoir composed, by himself.<sup>1</sup>

With reference to the examination named in the first paragraph of this section the Senatus, with the approval of the University Court, have determined as follows: Each candidate shall be examined, as may be the choice of the candidate, in one of the following group of subjects, viz.: (a) Medicine in its bearings on Public Health,<sup>2</sup> (b) Bacteriology relating to Public Health, (c) Schemes of Practical Sanitation, (d) Public Health problems and schemes in Tropical Countries, (e) Geology relating to Public Health, with special reference to Sources of Water-supply, Characters of Waters, and Pollution of Water-supplies, etc.

XII. The Senatus Academicus shall appoint such Professors or Lecturers as it may think suitable to conduct the examination of candidates who may offer themselves under the provisions of this Ordinance for the Degree of Doctor of Science, and the University Court shall, after consultation with the Senatus Academicus, appoint such additional Examiners as they deem necessary to act along with them. Such additional Examiners shall be persons of recognised eminence in the subject of the thesis, or memoir, or work which is to be submitted for approval, and may be Professors or Lecturers in any Scottish University other than the University of Glasgow.

XIII. The thesis, memoir, or work submitted by a candidate for the Degree of Doctor of Science shall in each case be examined by the

<sup>1</sup>See second and third notes on p. 305.

<sup>2</sup>Including Infectious and Contagious Diseases of an epidemic, endemic, or pandemic character, Dietetic Diseases, Occupational Diseases, and Diseases of Animals communicable to Man.

TABLE OF EXAMINATIONS FOR DEGREE OF B.SC. IN PUBLIC HEALTH DURING SESSION 1916-17.

Names to be given in and Fees paid to the Registrar, The University. <sup>1</sup> Date. <sup>2</sup>	FEE.	Subjects of Examination.	SEPTEMBER, 1916.		MARCH, 1917.	
<p>From 21st August to 1st Sept., 1916, both days inclusive, or</p> <p>From 26th Feb. to 5th March, 1917, both days inclusive.</p>	£1 IS. FOR EACH SUBJECT UNTIL £6 OS. SHALL HAVE BEEN PAID.	Vital Statistics, - - -	<p>Sat., 30th September, 9-11 a.m.</p> <p>Do., do., 12-2 p.m.</p> <p>Do., do., 12-2 p.m.</p> <p>Mon., 2nd October, 9-11 a.m.</p> <p>Do., do., 9-4 p.m.</p> <p>Do., do., 12-2 p.m.</p> <p>Tues., 3rd October, 9 a.m.</p> <p>Do., do., 9 a.m.</p> <p>Do., do., 2-5 p.m.</p> <p>Tues., 10th October, 9-12 noon.</p> <p>Wed., 11th October, 9-12 noon.</p>		<p>Tues., 27th March, 9-11 a.m.</p> <p>Do., do., 12-2 p.m.</p> <p>Wed., 28th March, 9-11 p.m.</p> <p>Do., do., 9-11 a.m.</p> <p>Tues., 27th March, 9-4 p.m.</p> <p>Wed., 28th March, 12-2 p.m.</p> <p>Mon., 26th March, 9 a.m.</p> <p>Wed., 28th March, 2 p.m.</p> <p>Do., do., 2-5 p.m.</p> <p>Sat., 31st March, 9-12 noon.</p> <p>Mon., 2nd April, 9-12 noon.</p>	
		Sanitary Law, - - -				
		Public Health Laboratory Work (Written Paper),				
		Medicine in relation to Public Health, - - -				
		Public Health Laboratory (Analytical Chemistry),				
		Practical Sanitation, - - -				
		Physics, - - -				
		Public Health (Inspection & Report on Property),				
		Public Health Laboratory (Bacteriology), - - -				
		Geology, Paper I., - - -				
		Do., Paper II., - - -				

<sup>1</sup> For Women students, Miss Melville, Queen Margaret College.<sup>2</sup> When Names are not given in and Fees are not paid within the stated dates, a late Entry Fee of Twenty Shillings must be paid before the candidate can be admitted to examination. A candidate is not held to be entered for the examination until his name is entered, the fee paid, and all the necessary certificates, etc., lodged. Late Entry Fees will not be accepted less than eight days before the date of Examination.

additional Examiner to be appointed by the University Court, as well as by the Examiners to be appointed by the Senatus under the provisions of Section XII. of this Ordinance.

XIV. The result of the examination of the thesis, memoir, or work submitted by a candidate, as well as the result of the Examination prescribed under Section XI. of this Ordinance, shall be reported to the Faculty of Science.

#### GENERAL.

XV. Candidates who produce certificates bearing that, either before or after, or partly before and partly after, the date at which this Ordinance shall come into force, they have satisfied the conditions prescribed by this Ordinance, and who have passed the necessary examinations; shall be entitled to receive the degrees of Bachelor of Science in Public Health and Doctor of Science in Public Health, as the case may be, on payment of the fees required.

XVI. The degrees of Bachelor and Doctor of Science in Public Health shall in no case be conferred on persons who have not complied with the conditions hereinbefore set forth, and shall not be conferred *honoris causâ tantum*.

XVII. This Ordinance shall come into force from and after the date on which it is approved by His Majesty in Council.

Approved, 20th May, 1903.

#### DEGREE IN SCIENCE IN PHARMACY.

The following are the provisions of the University Court Ordinance No. XVI. (Glasgow No. 4), issued on 3rd May, 1906, and approved by His Majesty in Council on 11th February, 1907:—

I. A Degree of Bachelor of Science in Pharmacy (B.Sc. Pharm.) may be conferred by the University of Glasgow.

II. Every candidate for the Degree of Bachelor of Science in Pharmacy must pass the Preliminary Examination prescribed by the Arts Ordinance (Regulations for Degrees in Arts), and the conditions with respect thereto imposed by the said Ordinance shall be applicable in all respects to Candidates for the Degree of Bachelor of Science in Pharmacy, except as follows:—(1) French or German may be substituted for Latin or Greek; (2) Mathematics shall be passed on the higher standard; (3) a degree in Arts (not being a degree *honoris causâ tantum*) in any of the Universities of the United Kingdom, or in any Colonial or Foreign University specially recognised for the purpose by the University Court after consultation with the Senatus Academicus, shall exempt from the Preliminary Examination.

III. Candidates for the Degree of Bachelor of Science in Pharmacy must, in the course of not less than three Academical years, within the meaning of the Ordinance last above mentioned, attend at least seven courses of instruction in subjects prescribed for examination under Sections X. and XI. of this Ordinance, and must have been practically engaged in the operations of Pharmacy, and have fulfilled the other conditions thereanent, as prescribed in Section XI. of this Ordinance.

IV. Three of the courses mentioned in Section III. must be in subjects prescribed for the first Science Examination under Section X. of this Ordinance, and four must be in subjects prescribed for the final Science Examination under Section XI. of this Ordinance.

V. (1) Four of the seven courses must be taken in the University of Glasgow.

(2) Three may be taken in other Universities or Institutions approved by the University Court, or under teachers recognised by the University Court for purposes of graduation in Science; provided that the fees for attendance at an approved Institution or under a recognised teacher in Glasgow shall not be less than the fees exigible for the corresponding courses in the University.

VI. All Candidates, not matriculated students of the University, availing themselves of the permission to attend lectures at approved Institutions, or by recognised teachers in Glasgow, shall at the commencement of each year of such attendance enrol their names in a book to be kept for that purpose in the University, paying a fee of the same amount as the Matriculation Fee paid by students of the University, and having, in respect of such payment, a right to the use of the Library of the University.

VII. (1) After receiving through the Faculty of Science the opinion of the Board of Studies, the Senatus shall determine from time to time the number of meetings of which a full course in any subject shall consist, and shall report its determination to the University Court for its approval.

(2) After receiving through the Faculty of Science the opinion of the Board of Studies, the Senatus, with the approval of the University Court, may sanction half courses of not less than half the number of meetings that constitute a full course in the subject; and two half courses shall be held to be equivalent to a full course in such cases as the Senatus, with the approval of the University Court, may determine, and under such regulations as may from time to time be made for that purpose.

(3) It shall be the duty of each Professor and Lecturer annually at the end of each Winter Session to submit to the Board of Studies a scheme specifying what proportion of the courses shall be devoted to lectures, practical demonstrations, examinations, and tutorial work respectively. The Board of Studies shall transmit the schemes to the Faculty of Science, who shall submit them to the Senatus with such observations as they may think fit to make thereon. The Senatus shall transmit such schemes, with such observations as it may think fit to make thereon, to the University Court for its approval.

(4) It shall be the duty of each Professor and Lecturer annually at the end of each Winter Session to submit to the Board of Studies for its approval a syllabus of the subjects and books proposed for the work of his class or classes during the next Academical year. Upon such approval being given the syllabus shall be transmitted to the Faculty of Science for its consideration. The syllabus, with such observations

as the Faculty of Science may think fit to make thereon, shall then be transmitted to the Senatus for its sanction.

VIII. The provisions of the preceding section shall not apply to approved Institutions or recognised Teachers outside Glasgow; but the University Court shall not grant or continue recognition to any Institutions or Teachers unless they shall be satisfied that their courses of instruction are equivalent to the courses sanctioned in the Universities of Scotland.

IX. Candidates must be matriculated students of the University of Glasgow when they appear for examination or graduation.

X. (1) There shall be a First Science Examination in the three following subjects, viz.:—(1) Mathematics or Biology (*i.e.*, Zoology and Botany); (2) Natural Philosophy; (3) Chemistry.

(2) The Examination in all these subjects shall be the same as the Examination in these subjects for the first Bachelor of Science Examination in Pure Science with the addition of practical work in the subjects which admit of it.

(3) Candidates may present themselves in any one or more of these subjects at any Examination held after they have attended the required course in the subject or subjects professed.

XI. (1) There shall be a Final Science Examination on a higher standard on the following subjects:—

1. Chemistry.
2. Botany.
3. Materia Medica.
4. Pharmacy.

(2) Candidates presenting themselves for this Examination must (a) have passed in all the subjects comprised in their First Science Examination; (b) have attended a full course of higher instruction, including practical or laboratory work, in each of the four subjects; and (c) already be Chemists and Druggists registered under the Pharmacy Acts, 1852 and 1868, or be Graduates in Medicine of a University of the United Kingdom, or of some other University recognised for the purpose by the University Court of the University of Glasgow.

XII. If a student, before passing the Preliminary Examination, has attended a class qualifying for graduation, the Senatus may, on special cause shown, permit him to count such class for graduation, on condition of his passing the full Preliminary Examination within such time thereafter as the Senatus may appoint, and in every case the Senatus shall make a report to the University Court setting forth the reasons for the relaxation.

XIII. A candidate for the Degree of Bachelor of Science in Pharmacy shall not be deemed (1) to have attended a class as part of the curriculum for that Degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class; (2) to have fulfilled the conditions respecting the practice of Pharmacy who does not present a certificate or diploma showing that he possesses either of the qualifications required under Section XI. (2) c of this Ordinance.

XIV. It shall be competent to the Examiners for the Degree of Bachelor of Science in Pharmacy to report that a candidate has passed with special distinction in one or more of the subjects professed by him; and in such a case a diploma shall be given setting forth the subjects in respect of which the Degree has been granted, and the subject or subjects in which special distinction has been obtained.

XV. The Examiners for the Degree of Bachelor of Science in Pharmacy in the University of Glasgow shall be the Professors in that University whose subjects qualify for the Degree, together with such Lecturers in the University and such additional Examiners to be appointed by the University Court as the University Court shall deem necessary, provided that the Court shall make such provisions as will ensure that every candidate shall be examined in each subject by at least two examiners, of whom one shall not be a Professor or Lecturer in the University.

XVI. Candidates who produce certificates that they have satisfied all the conditions prescribed by this Ordinance, and who have passed the necessary examinations, shall be entitled to receive the Degree of Bachelor of Science in Pharmacy on payment of the fees required.

XVII. The Degree of Bachelor of Science in Pharmacy shall in no case be conferred on persons who have not complied with the conditions hereinbefore set forth, and shall not be conferred *honoris causâ tantum*.

XVIII. For the purposes of this Ordinance the Professor of Materia Medica shall be deemed to be a Member of the Faculty of Science.

XIX. This Ordinance shall come into force at the beginning of the Winter or Summer Session next after the date of its approval by His Majesty in Council.

#### DIPLOMA IN EDUCATION.

The following regulations drawn up by the Senate were approved by the University Court:

1. Candidates for the Diploma in Education must be graduates<sup>1</sup> in Arts or Science of a University in the United Kingdom, or of some other University recognised for this purpose by the University Court.

2. The diploma is of two grades: (a) General Diploma, and (b) Diploma with Distinction.

3. The general diploma is open to any graduate in Arts or Science who fulfils the following requirements:

(a) In addition to the curriculum for his Degree he must give attendance on a full course and pass the Degree examination on the same, subject to the condition that the regulations applicable to this additional course as a Degree course shall be fulfilled. This additional course may be taken at any time either before or after graduation.

<sup>1</sup> Women who have been placed in the Class-lists of one or other of the Final Honours Examinations in the University of Oxford or the University of Cambridge shall be deemed to be graduates for the purpose of these regulations.

- (b) The Education course must in every case either constitute part of his Degree curriculum, or be the additional course prescribed in the preceding subsection.
- (c) He must produce evidence either (1) that he has attended a course of Professional Training, extending over three years, under a Provincial Committee for the Training of Teachers or in a Training College for Teachers, or (2) that, after graduation, he has attended a course of Professional Training, extending over one year, under a Provincial Committee for the Training of Teachers or in a Training College for Teachers.
- (d) He must pass a Written examination, conducted by the University, in School Management and Organisation and Methodology, and give proof of his practical skill by conducting a class to the satisfaction of an Examiner or Examiners appointed by the University.

4. The Diploma with Distinction is open to any holder of an ordinary degree in Arts, any graduate in Arts with Honours, or any graduate in Science, who fulfils the requirements of the preceding regulation, and in addition passes an examination on the method of teaching one or more of the following groups of subjects as taught in Secondary Schools, viz. (a) Classics; (b) Mathematics; (c) Science; (d) English, including History; (e) French and German: Provided always that the holder of an ordinary Degree in Arts before being admitted to the examination on the method of teaching shall be required to pass an examination equivalent to an Honours or to a Final Science examination in the group or groups of subjects selected by him.

5. The Fee for the Diploma is Two Guineas.

Examinations for the Diploma will be held on Friday, 10th November, 1916, from 9 a.m. to 12 noon, and from 2 p.m. to 5 p.m.; and on Friday, 22nd June, 1917, from 9 a.m. to 12 noon, and from 2 p.m. to 5 p.m. Candidates for the General Diploma take the forenoon paper only. Names of candidates to be given in to the Registrar, The University, on 31st October, 1916, or on 7th June, 1917.

### 3.—HIGHER DEGREES IN ARTS AND SCIENCE.

In University Court Ordinance No. XXVI., issued on 11th June, 1908, and approved by His Majesty in Council on 26th September, 1908, the University Court made the following regulations for Higher Degrees in Arts and Science:—

#### DEGREE OF D.Sc.

I. Graduates who have obtained any degree in the University of Glasgow, and who have either before or after graduation passed the Examination in an Honours Group<sup>1</sup> for the degree in Arts, or the Final Science Examination for the degree in Pure Science or in

<sup>1</sup> A Certificate of Proficiency in the subjects of an Honours Group is held as equivalent to "the Examination in an Honours Group" for the purpose of going forward to a Higher Degree.

Engineering, may offer themselves for the degree of Doctor of Science (D.Sc.) after the expiry of five years from the date of their graduation.

II. Research Students within the meaning of Ordinance No. 61 [General, No. 23.—Regulations for the Encouragement of Special Study and Research and for the Appointment of Research Fellows], who have prosecuted in the University of Glasgow [or in a College affiliated thereto] some special study or research under that Ordinance, may offer themselves for the degree of Doctor of Science: provided—

(1) That they have obtained a degree in any Scottish University, or a degree in another University specially recognised by the University Court for the purpose of this section which the Senatus shall deem to be equivalent to the corresponding degree in the University of Glasgow; and provided that candidates who have obtained any such degree in a University outside the United Kingdom so recognised may be required, if the Senatus think fit, before beginning their course as Research Students with a view to the degree of Doctor of Science, to pass an examination equivalent to an Honours or to a Final Science Examination in a group of subjects cognate to their line of work as Research Students.

(2) That they have spent not less than two terms in each of two academical years, or an equivalent period, as Research Students in the University of Glasgow [or in a College affiliated thereto], and that they produce to the Senatus evidence of satisfactory progress in the special study or research undertaken by them during that period.

(3) That a period of not less than five years shall have elapsed from the date of the graduation required in sub-section (1) of this section.

III. All candidates for the degree of Doctor of Science shall present a thesis or a published memoir or work,<sup>1</sup> to be approved by the Senatus on the recommendation of the Faculty of Science; provided that, if required by the Senatus, the candidate shall also be bound to pass such an examination conducted orally or practically, or by written papers, or by all of these methods, on the subjects of his special study or of his thesis, memoir, or work, as may from time to time be determined. The thesis shall be a record of original research in relation to science undertaken by the candidate, or of some important engineering work designed by the candidate and actually carried out, and shall be accompanied by a declaration signed by him that the work has been done and the thesis composed by himself. If the thesis has not already been published, it shall be published by the candidate in such manner as the Senatus shall approve, and a copy thereof shall be deposited by the candidate in the University Library.

#### DEGREE OF D.PHIL.

IV. Graduates who have obtained any degree in the University of Glasgow, and who have either before or after graduation passed the

<sup>1</sup>The thesis must be lodged on or before 13th January.



Examination in an Honours Group<sup>1</sup> for the degree of Arts, or the Final Science Examination for the degree in Pure Science or in Engineering, may offer themselves for the degree of Doctor of Philosophy (D.Phil.) after the expiry of five years from the date of their graduation.

V. Research Students as aforesaid, who have prosecuted in the University of Glasgow some special study under Ordinance No. 61 [General, No. 23.—Regulations for the Encouragement of Special Study and Research, and for the Appointment of Research Fellows], may offer themselves for the degree of Doctor of Philosophy; provided—

(1) That they have obtained a degree in any Scottish University, or a degree in another University specially recognised by the University Court for the purpose of this section which the Senatus shall deem to be equivalent to the corresponding degree in the University of Glasgow; and provided that candidates who have obtained any such degree in a University outside the United Kingdom so recognised may be required, if the Senatus think fit, before beginning their course as Research Students with a view to the degree of Doctor of Philosophy, to pass an examination equivalent to an Honours Examination in a group of subjects cognate to their line of work as Research Students.

(2) That they have spent not less than two terms in each of two academical years, or an equivalent period, as Research Students in the University of Glasgow, and produce to the Senatus evidence of satisfactory progress in the special study undertaken by them during that period.

(3) That a period of not less than five years shall have elapsed from the date of the graduation required in sub-section (1) of this section.

VI. All candidates for the degree of Doctor of Philosophy shall present a thesis or a published memoir or work,<sup>2</sup> which shall be an original contribution to learning in relation to philosophy, to be approved by the Senatus on the recommendation of a Special Committee appointed by the Senatus; provided that, if required by the Senatus, a candidate shall also be bound to pass such an examination, conducted orally or otherwise, on the subjects of his special study, or of his thesis, memoir, or work, as may from time to time be determined. The thesis or memoir or work shall be accompanied by a declaration signed by the candidate that it has been composed by himself. If the thesis has not already been published, it shall be published by the candidate in such manner as the Senatus shall approve, and a copy thereof shall be deposited by the candidate in the University Library.

<sup>1</sup> See footnote on p. 337.

<sup>2</sup> The thesis must be lodged on or before 13th January.

## DEGREE OF D.LITT.

VII. Graduates who have obtained any degree in the University of Glasgow, and who have either before or after graduation passed the Examination in an Honours Group<sup>1</sup> for the degree of Arts, or the Final Science Examination for the degree in Pure Science or in Engineering, may offer themselves for the degree of Doctor of Letters (D.Litt.) after the expiry of five years from the date of their graduation.

VIII. Research Students as aforesaid, who have prosecuted in the University of Glasgow some special study under Ordinance No. 61 [General, No. 23.—Regulations for the Encouragement of Special Study and Research, and for the Appointment of Research Fellows], may offer themselves for the degree of Doctor of Letters; provided—

(1) That they have obtained a degree in any Scottish University, or a degree in another University specially recognised by the University Court for the purpose of this section, which the Senatus shall deem to be equivalent to the corresponding degree in the University of Glasgow; and provided that candidates who have obtained any such degree in a University outside the United Kingdom so recognised may be required, if the Senatus think fit, before beginning their course as Research Students with a view to the degree of Doctor of Letters, to pass an examination equivalent to an Honours Examination in a group of subjects cognate to their line of work as Research Students.

(2) That they have spent not less than two terms in each of two academical years, or an equivalent period, as Research Students in the University of Glasgow, and produce to the Senatus evidence of satisfactory progress in the special study undertaken by them during that period.

(3) That a period of not less than five years shall have elapsed from the date of the graduation required in sub-section (1) of this section.

IX. All candidates for the degree of Doctor of Letters shall present a thesis or a published memoir or work,<sup>2</sup> which shall be an original contribution to learning in relation to literature, to be approved by the Senatus on the recommendation of a Special Committee appointed by the Senatus; provided that, if required by the Senatus, a candidate shall also be bound to pass such an examination, conducted orally or otherwise, on the subjects of his special study, or of his thesis, memoir, or work, as may from time to time be determined. The thesis or memoir or work shall be accompanied by a declaration signed by the candidate that it has been composed by himself. If the thesis has not already been published, it shall be published by the candidate in such a manner as the Senatus shall approve, and a copy thereof shall be deposited by the candidate in the University Library.

<sup>1</sup> See footnote on p. 337.

<sup>2</sup> The thesis must be lodged on or before 13th January.

## GENERAL.

X. Notwithstanding, and in supplement of the provisions of Ordinance No. 13 [General, No. 8.—Regulations as to Examinations], sections XIV. and XV., the Senatus shall appoint such Professors or Lecturers in the University as it may think suitable to examine the theses and to conduct the examination of candidates who may offer themselves under the provisions of Ordinance No. 12 [General, No. 7.—Regulations for Degrees in Science] or of Ordinance No. 23 [Glasgow, No. 2.—Regulations for Degrees in Science in Engineering] or of this Ordinance, for the degree of Doctor of Science, Doctor of Philosophy, or Doctor of Letters; and the University Court shall, after consultation with the Senatus, appoint one or more additional Examiners to act along with them in adjudicating on the merits of the candidates. Every such additional Examiner shall be a person of recognised eminence in the subject of the thesis or memoir or work which is to be submitted for approval, and may be a Professor or Lecturer in any Scottish University other than the University of Glasgow. The result of the examination and adjudication shall be reported to the appropriate Faculty or Special Committee of Senatus, who shall if they think fit make a recommendation thereon to the Senatus; and no candidate shall be approved for the degree unless the Senatus is satisfied that his work is of distinction as a record of original research undertaken by himself, or of important engineering work designed by himself and actually carried out, or as an original contribution to learning.

XI. The degrees of Doctor of Science, Doctor of Philosophy, and Doctor of Letters shall in no case be conferred on persons who have not satisfied the conditions hereinbefore set forth, and shall not be conferred *honoris causa tantum*.

XII. The fee to be paid for the degree of Doctor of Science shall be ten guineas, and shall be payable on each occasion on which the candidate offers himself for the degree.

XIII. The fee to be paid for the degree of Doctor of Philosophy shall be ten guineas, and shall be payable on each occasion on which the candidate offers himself for the degree.

XIV. The fee to be paid for the degree of Doctor of Letters shall be ten guineas, and shall be payable on each occasion on which the candidate offers himself for the degree.

XV. This Ordinance shall come into force from and after the date on which it is approved by His Majesty in Council.

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4.—GRADUATION IN MEDICINE AND SURGERY.

The Degrees in Medicine and Surgery conferred by this University are all recognised by the Medical Acts as qualifying for practice throughout the British Dominions, and for admission to the Army, Navy, and Public Medical Service.

NEW MEDICAL ORDINANCE.<sup>1</sup>

The provisions of University Court Ordinance No. XXXI., Glasgow No. 9 [Regulations for Degrees in Medicine], which was approved by His Majesty in Council on 25th May, 1911, and came into operation on 1st October, 1911, are as follow :<sup>2</sup>

## DEGREES AND DIPLOMAS IN MEDICINE AND SURGERY.

I. Four Degrees in Medicine and Surgery shall be conferred by the University of Glasgow, namely, Bachelor of Medicine (M.B.), Bachelor of Surgery (Ch.B.), Doctor of Medicine (M.D.), and Master of Surgery (Ch.M.). The Degree of Bachelor of Surgery shall not be conferred on any person who does not at the same time obtain the Degree of Bachelor of Medicine, and the Degree of Bachelor of Medicine shall not be conferred on any person who does not at the same time obtain the Degree of Bachelor of Surgery.

II. Subject to Regulations to be made from time to time by the University Court, on the recommendation of or after consultation with the Senatus, the University may confer Diplomas in Special Branches of Medical and Surgical Practice on graduates in Medicine and Surgery of the University of Glasgow, and also on other legally qualified medical practitioners who shall have pursued a prescribed course of study in the University.

## ACADEMICAL YEAR.

III. The academical year shall commence on the first day of October. In each academical year there shall be one medical session, which shall include not less than thirty teaching weeks. The medical session shall be divided into three terms, each including about ten teaching weeks. Two such terms shall for the purpose of reckoning the duration of Medical study be deemed the equivalent of one winter session, and one such term shall be deemed the equivalent of one summer session. The days on which courses of instruction shall open and close in each term shall be determined by the Senatus, with the approval of the University Court.

## PRELIMINARY EXAMINATION.

IV. Before commencing his course of Medical study, each student shall pass a Preliminary Examination in (1) English, (2) Latin, (3) Mathematics, and (4) an Additional Language, namely, Greek, French, German, Italian, or such other language as the Senatus may approve :<sup>3</sup> Provided always that, in the case of a student whose native language is other than English, an examination in any other classical language, for example, Sanskrit or Arabic, may be substituted for an examination

<sup>1</sup> The regulations for graduation in force previous to 1st October, 1911, are stated in the University *Calendars* of 1915-16 and earlier years.

<sup>2</sup> The Rules, Conditions, etc., made by the Senate and approved by the University Court, marked \*\*, have been inserted after the various Sections to which they are related.

<sup>3</sup> The Senatus have approved Dutch, Spanish, Celtic.

in Latin, and an examination in the student's native language may be substituted for an examination in the Additional Language.<sup>1 2</sup>

V. The extent and standard of the Preliminary Examination shall be determined by the Joint-Board of Examiners constituted under Ordinance No. 13, General No. 8 [Regulations as to Examinations] in accordance with the terms of that Ordinance.

Under this section the Joint-Board have directed that for the Medical Preliminary Examination the papers set in Latin, Greek, and Mathematics shall be the same as those set on the lower standard in these subjects in the Arts and Science Preliminary Examination.<sup>3</sup>

In English, no set books shall be prescribed, nor shall a general knowledge of the life and works of the greater authors be expected of candidates, but one or two questions may be set, giving an opportunity to candidates to show a knowledge of famous literary works. The historical questions shall not be confined to any one period, but shall cover the whole of British History, and shall be set in such a way as to give an opportunity to candidates who have confined their studies to a single period to show their knowledge. A single three hours' paper shall be set, containing an Essay, a Paraphrase, two questions on History, two on Geography, four on Grammar (including correction of sentences, parsing, analysis of sentences, and derivations), two of a literary and general kind. Eight answers shall be required. The eight shall include the Essay and the Paraphrase, and at least one question in History and one in Geography.

One paper shall be set in French and one in German. The papers shall be of a lower standard than those set in these subjects in the Arts and Science Preliminary Examination. The time allowed for each of these papers shall be three hours. The paper in each subject shall comprise questions in Grammar, translation into English, and Composition (including a continuous passage and short sentences of an idiomatic character).

The papers set in examinations in an "Additional Language" approved by the Senatus, or in the student's native language (as a substitute for the Additional Language), or in another classical language (as a substitute for Latin), shall conform, so far as possible, to the directions for setting papers in Modern Languages and in Latin respectively.

<sup>1</sup> The candidate for the Degrees of Bachelor of Medicine and Bachelor of Surgery must have been registered in the books of the General Medical Council at least five years prior to the date of his graduation. In order to be so registered he must transmit to James Robertson, Esq., the Scottish Branch Registrar, 54 George Square, Edinburgh, together with a printed form of application, which may be obtained from the Registrar, The University, a certificate of having passed the Preliminary Examination, and satisfactory evidence of the applicant having attained the age of sixteen years.

<sup>2</sup> Each applicant for examination in a special subject in the Preliminary Examination shall pay, in addition to the statutory fee for Preliminary Examination, the sum of One Guinea, and should the applicant be successful in passing the examination in the special subject he shall be entitled to recover the sum of One Guinea when he has become a matriculated student of the University, *i.e.*, has entered his name in the Matriculation Album, and has been enrolled in at least one University Class.

<sup>3</sup> For details see p. 240.

It shall be in the option of any candidate for the Medical Preliminary to take the papers set on the higher standard for the Arts Preliminary in any of the subjects.

Candidates who, having taken English or a Modern Language on the higher standard, as prescribed by the Arts Ordinance for the Arts and Science Preliminary, have obtained a satisfactory percentage of marks, shall be held to have passed the Medical Preliminary in these subjects, provided that all the required subjects are passed at not more than two preliminary examinations.

It shall be, at the Board's discretion at all times in the case of any candidate for the Medical Preliminary who professes all his four subjects at one time, and who has obtained an aggregate number of marks equivalent to the sum of the marks required for a pass in each, to allow such candidate a pass in the whole examination, provided that in no single subject he has obtained less than half of the marks required for a pass, and that the pass-mark be reached in the English paper. Special consideration is given, at the discretion of the Board, in the case of foreign candidates; but a candidate whose native language is not English must have passed in at least two of the subjects without deduction being made on his behalf from the ordinary standard prescribed by the Board in these subjects.

VI. The Preliminary Examination shall be conducted in accordance with the provisions of Ordinance No. 13, General No. 8 [Regulations as to Examinations]; and subject to the provisions of the immediately succeeding Section hereof, a student shall be obliged to pass in all the required subjects at one or not more than two examinations; provided that he may offer himself for re-examination as often as may be necessary to satisfy this condition.

VII. A Degree in Arts or in Science (not being a Degree *honoris causa tantum*) in any of the Universities of the United Kingdom, or in any Indian, Colonial, or Foreign University specially recognised for the purpose by the University Court, shall exempt from the Preliminary Examination; and the Joint-Board of Examiners appointed under the provisions of Ordinance No. 13, General No. 8 [Regulations as to Examinations] shall have power to determine what examinations, other than those for the Degrees hereinbefore mentioned, shall be accepted, either in whole or in part, in place of the Preliminary Examination.<sup>1</sup>

The Joint-Board have issued the following rules under the heading:—  
Examinations accepted as exempting from the Preliminary Examination in Medicine: *Provided always that the regulations of the General Medical Council regarding the registration of students be complied with:—*

#### EXEMPTION UNDER ORDINANCE.

1. In terms of the Medical Ordinances, "a degree in Arts or in Science (not being a degree *honoris causa tantum*) in any of the Universities of the United Kingdom, or in any Indian, Colonial or Foreign University specially recognised for the purpose by the University Court, shall exempt from the Preliminary Examination."

<sup>1</sup> Applications for exemption on the ground of having passed examinations not included in the following list should be addressed to the Convener of the Joint Board. As all the Universities have to be consulted, a decision on a new case cannot be guaranteed in less time than two or three weeks.

## SCOTLAND.

## EXEMPTIONS BY THE JOINT BOARD.

## I. ARTS AND SCIENCE PRELIMINARY EXAMINATIONS.

1. Any candidate who produces a certificate of having passed the Preliminary Examination in Arts or Science in any Scottish University, either at the University Examination or through the Leaving Certificate Examinations of the Scotch Education Department, or partly at the University Examination and partly through the Leaving Certificate Examinations, shall be deemed to have passed the Preliminary Examination for Medicine: Provided that his examination has included the specified subjects of General Education as required under the Regulations of the General Medical Council, and by the Medical Ordinances of the Scottish Universities.

2. A candidate who has passed the Arts and Science Preliminary Examination, and on the Higher Standard where there is more than one standard in any subject recognised for the Medical Preliminary Examination, shall be exempted from further examination in that subject.

## II. LEAVING CERTIFICATES OF THE SCOTCH EDUCATION DEPARTMENT.

1. A candidate who passed on the Higher Grade in any subject of the Leaving Certificate Examination of the Scotch Education Department recognised for the Medical Preliminary Examination shall be exempted from further examination in that subject.

2. The Intermediate Certificate of the Scotch Education Department will be accepted as exempting from the Medical Preliminary Examination, provided that it includes the four requisite subjects. [When all the necessary subjects are not included, passes in individual subjects in the Intermediate Certificate Examination are accepted only under authority for each case from the Scotch Education Department. In this connection candidates are requested to write with full particulars to the Secretary, Scotch Education Department, Edinburgh, asking that intimation be made to the Registrar, The University, Glasgow, as to whether a sufficient standard was reached.]

3. Passes in the Lower Grade of the Leaving Certificate Examination of the Scotch Education Department will not be accepted as exempting from the Medical Preliminary Examination unless the examinations in all the requisite subjects have been taken and passed at one or not more than two examinations.

*Note.*—Except as provided in Section II. (3) above, the Regulation that all the subjects of the examination shall be passed at one or not more than two examinations shall not be held to apply in the cases dealt with in Sections I. and II. above, but candidates applying under these sections must obtain a University Certificate, specifying the examinations passed by them, which have been accepted as equivalent to the Medical Preliminary Examination, and must present the said Certificate to the Medical Registrar in order to registration.

## ENGLAND AND IRELAND.

## III. ENGLISH AND IRISH UNIVERSITY EXAMINATIONS.

The following English and Irish University Examinations will be accepted as exempting from the Medical Preliminary Examination subject to the following conditions:

(a) That they include the subjects required under the Regulations of the General Medical Council and prescribed by the Medical Ordinances of the Scottish Universities.

(b) That, where total exemption is claimed, all the required subjects shall have been passed at one or not more than two examinations; and that when exemption in one or more subjects is claimed, all the remaining required subjects shall be passed at one or not more than two Preliminary Examinations.

(1) *University of Oxford.*

(a) A pass in Responsions or in Moderations will exempt from the Medical Preliminary Examination provided that the candidate shall also pass the Scottish Universities Preliminary Examination in English.

(b) A pass in the Oxford Higher Local Examinations will exempt from further examination in all the subjects included.

(c) A pass in the Oxford Senior Local Examination will exempt from further examination in all the subjects included other than English. In English, when the applicant has only a pass, exemption will be allowed only if Composition has been taken, with Literature or a Literary Subject.

(2) *University of Cambridge.*

(a) A pass in the Previous Examination, if subsequent to Michaelmas Term, 1896, will exempt from the Medical Preliminary Examination. If the pass is prior to that date, the applicant shall also pass the Scottish Universities Preliminary Examination in English.

(b) A pass in the Cambridge Higher Local Examinations will exempt from further examination in all the subjects included.

(c) A pass in the Cambridge Senior Local Examinations will exempt from further examination in all the subjects included other than English. In English, when the applicant has only a pass, exemption will be allowed only if Composition has been taken, with Literature or a Literary Subject.

(3) *Oxford and Cambridge Schools Examination Board.*

The passes in *Latin*, *Greek*, and *Mathematics* specified on p. 244 as exempting from the Lower Standard in these subjects in the Arts and Science Preliminary will exempt from the same subjects in the Medical Preliminary Examination.

In addition to the passes in *French* and *German* specified on p. 244 as exempting from these subjects in the Arts and Science Preliminary, a pass in *French* or *German* for the Lower Certificate or for the School Certificate will exempt from these subjects in the Medical Preliminary Examination.



In addition to the passes in English specified on p. 244 as exempting from the Arts and Science Preliminary, a pass for the Lower Certificate in English, History, and Geography or a pass for the School Certificate with *either* History or Geography will exempt from English in the Medical Preliminary Examination.

(4) *University of London.*

A pass in the Matriculation Examination will exempt from further examination in all the subjects included.

(5) *Queen's University of Belfast.*

A pass in the Matriculation Examination will exempt from the Medical Preliminary Examination.

(6) *Universities of Manchester, Liverpool, Leeds and Sheffield.*

A pass in the Joint Matriculation will exempt from the Medical Preliminary Examination, provided that the whole examination has been passed, as required for admission to the Medical Faculties of these Universities.

## OVERSEAS DOMINIONS, ETC.

### IV. THE BRITISH EMPIRE OVERSEAS.

Candidates from British Dominions, Colonies, Dependencies, and Protectorates, who present evidence that they have passed all the Preliminary Examinations prescribed for students proceeding to graduation in Medicine in a University or College empowered to confer degrees in the Dominion, Colony, Dependency, or Protectorate from which they come will be exempted from the Medical Preliminary Examination, provided :—

(1) That their examination includes all the subjects prescribed by the Medical Ordinances of the Scottish Universities, and that they are recognised by the General Medical Council.

(2) That there is evidence to show that their knowledge of English is sufficient to enable them to follow the courses of instruction with profit.

## FOREIGN COUNTRIES.

### V. FOREIGN COUNTRIES.

Subject to the same provisions as those laid down in Section IV. for applicants from British Dominions, etc., the French Baccalauréat-ès-Lettres and Baccalauréat-ès-Sciences and Certificates of Maturity which would admit to the study of Medicine in the Universities of other European countries will exempt from the Medical Preliminary Examination.

The First Class Certificates of the Anglo-Chinese College, Amoy, will exempt from the Medical Preliminary Examination.

[Students would do well to ascertain, by application to the Registrar, whether their Preliminary Examination is complete before beginning their medical studies.]

PROFESSIONAL EDUCATION FOR THE DEGREES OF BACHELOR OF  
MEDICINE AND BACHELOR OF SURGERY.<sup>1</sup>

VIII. Candidates shall be admitted to the Degrees of Bachelor of Medicine and Bachelor of Surgery only after they have fulfilled the following conditions with reference to Medical study :

1. The candidate must have pursued Medical study for not less than five years by attending courses of instruction in the subjects of the Curriculum during not less than fifteen terms.
2. During each of twelve terms preceding the fifth or final year the candidate must have attended one or more of the prescribed courses of instruction in the subjects of the Curriculum.
3. During the fifth or final year of his Curriculum the candidate must have pursued Clinical study for at least nine months or three terms at one or more of such Public Hospitals or Dispensaries, British or Foreign, as may be recognised for the purpose by the University Court, after consultation with the Senatus.
4. The candidate must, during his Curriculum, have attended a course or courses of instruction in each of the following subjects of study, extending over not less than the number of terms specified in each case, and including such class examinations as may be prescribed in connexion with the several courses :
 

1. Chemistry (including Organic Chemistry),	-	-	-	2 terms.
with Practical Chemistry,	-	-	-	1 term.
2. Physics (with practical work),	-	-	-	1 term.
3. Botany (with practical work),	-	-	-	1 term.
4. Zoology (with practical work),	-	-	-	1 term.
5. Anatomy and Practical Anatomy,	-	-	-	5 terms.
6. Physiology and Practical Physiology,	-	-	-	3 terms.
7. Materia Medica and Therapeutics (together or separately),	-	-	each subject,	1 term.
8. Pathology and Practical Pathology,	-	-	-	3 terms.
9. Medical Jurisprudence and Public Health (together or separately),	-	-	each subject,	1 term.
10. Midwifery and Diseases peculiar to Women and to Infants,	-	-	-	2 terms.
11. Surgery,	-	-	-	2 terms.
12. Medicine,	-	-	-	2 terms.

Provided always that—

(a) The Senatus, with the approval of the University Court, shall have power, after receiving through the Faculty of Medicine the opinion of the Board of Studies, to determine from time to time the number of meetings of which such courses shall consist, the cases in which two half-courses shall be deemed equivalent to

<sup>1</sup> For Suggested Schemes of Study, see pp. 133-136.

a full course, and the cases in which the subjects of such courses may be subdivided or combined for the purposes of study.

(b) It shall be the duty of each of the Professors and Lecturers to submit to the Board of Studies annually before the end of the second term of the medical session a scheme specifying what proportion of the courses shall be devoted to lectures, practical work, examinations, and tutorial instruction respectively. The Board of Studies shall transmit the schemes to the Faculty of Medicine, who shall submit them to the Senatus, with such observations as the Faculty may think fit to make thereon. The Senatus shall transmit such schemes, with such observations and recommendations as it may think fit to make thereon, to the University Court for its approval.

(c) The University Court shall have power, by Regulations made from time to time, on the recommendation of or after consultation with the Senatus, to increase the number of terms over which a course of instruction in any subject of study shall extend, or to introduce into the Curriculum additional subjects of study, or to extend the duration of the Curriculum beyond the period of fifteen terms. The University Court shall communicate to the General Council all Regulations proposed to be so made; and any representations made thereon by the General Council within two months from the date of such communication shall be taken into consideration by the University Court before any such Regulation is made.

5. The candidate must have attended for at least three years or nine terms the Medical and Surgical Practice of a General Hospital in Glasgow or elsewhere, which accommodates not fewer than eighty patients, and possesses distinct staffs of Physicians and Surgeons, and is recognised for the purpose by the University Court, after consultation with the Senatus.<sup>1</sup>
6. The candidate must have attended, in a General Hospital defined and recognised as hereinbefore provided, a course or courses of instruction in Clinical Surgery extending over nine months or three terms, or over such longer period as may from time to time be determined by the Senatus, with the approval of the University Court. These courses may be conducted by a Professor of Surgery, or by other Professors or Lecturers appointed for the purpose by the University Court, or by the Ordinary Surgeons of the Hospital, and shall consist of regular instruction at the bedside, together with Clinical Lectures or Demonstrations.

<sup>1</sup> With reference to Sect. VIII., 5 and 10, attention is called to the following regulation made by the Senate:—

"Clinical service during the continuance of the War, for any period of not more than twelve months in a Medical Unit of the Regular or Territorial Forces, or in a Hospital or detachment of the Red Cross Society on Active Service, or in any Hospital recognised by the military or naval authorities for war purposes, will be accepted by the University as equivalent to the medical and surgical practice required in a recognised Hospital for an equal period; and further, any portion or the whole of the time so spent will be accepted as equivalent to time spent either as a Clinical Clerk or as a Dresser, at the choice of the candidate."

[A satisfactory certificate from a Medical Officer that the student had been engaged in medical work during his period of military duty will also be accepted.]

The University Court, after consultation with the Senatus, shall have power to prescribe, as a condition of recognition of any General Hospital in Glasgow where courses of instruction in Clinical Surgery qualifying for graduation are conducted, that the number of students attending a class for regular instruction at the bedside shall not exceed a specified limit.

7. The candidate must have attended, in a General Hospital defined and recognised as hereinbefore provided, a course or courses of instruction in Clinical Medicine extending over nine months or three terms, or over such longer period as may from time to time be determined by the Senatus, with the approval of the University Court. These courses may be conducted by a Professor of Medicine, or by other Professors or Lecturers appointed for the purpose by the University Court, or by the Ordinary Physicians of the Hospital, and shall consist of regular instruction at the bedside, together with Clinical Lectures or Demonstrations.

The University Court, after consultation with the Senatus, shall have power to prescribe, as a condition of recognition of any General Hospital in Glasgow where courses of instruction in Clinical Medicine qualifying for graduation are conducted, that the number of students attending a class for regular instruction at the bedside shall not exceed a specified limit.

8. The candidate must have attended a course of instruction in Mental Diseases of such duration, and so apportioned between lectures, demonstrations, and clinical instruction, as the Senatus, with the approval of the University Court, may from time to time prescribe.

\* \* The course of instruction in Mental Diseases shall be given by a University Lecturer or by a recognised Teacher, and shall include not less than eighteen meetings of the class. Of these six may be for class-room lectures, and the remainder for demonstrations in the wards of an asylum for the insane.

9. The candidate must have attended a course of instruction in Practical Pharmacy, consisting of not less than twenty-five meetings, at a University or recognised Medical School, or have dispensed drugs for a period of three months in a Public Hospital or Dispensary, or in the establishment of any chemist and druggist or pharmacist or pharmaceutical chemist of Great Britain or any pharmaceutical chemist of Ireland who is registered in the books of the Pharmaceutical Society of Great Britain or of the Pharmaceutical Society of Ireland respectively.
10. The candidate must, under such conditions as the Senatus, with the approval of the University Court, may from time to time prescribe, have attended during six months or two terms the out-patient practice of a Public Hospital or Dispensary, and have acted during six months or two terms as Clinical Clerk in the Medical department and during six months or two terms as

Clinical Clerk or Dresser in the Surgical department of a Public Hospital: Provided always that the Senatus, with the approval of the University Court, shall have power to extend any of the periods herein prescribed.

11. The candidate must have received at a Public Hospital or Dispensary, to such an extent and under such conditions as the Senatus, with the approval of the University Court, may from time to time prescribe, practical instruction in *post-mortem* Examinations, Infectious Diseases, Gynæcology, Diseases of Children, Ophthalmology, Diseases of the Ear and Throat, Dermatology, or such other special departments as may from time to time be determined by the same authority.

\* \* Courses of practical instruction in the following departments have been prescribed :

1. Demonstrations in the *post-mortem* room of a recognised hospital, with practical instruction in the method of making *post-mortem* examinations. Attendance at not less than twenty *post-mortem* examinations is required.

2. A course of clinical instruction in Fevers and other Infectious Diseases, including at least ten meetings of the class, at a hospital for infectious diseases containing not less than fifty beds.

3. Courses of practical instruction in Gynæcology, in Diseases of Children, and in Diseases of the Ear and Throat, including at least twenty meetings of the class, each meeting being for clinical and practical demonstrations. Where Diseases of the Ear and Diseases of the Throat are taught in separate courses, each separate course shall include at least ten meetings of the class.

4. A course of practical instruction in Ophthalmology, including at least twenty meetings of the class. Of these, six may be for class-room lectures, and the remainder for clinical demonstrations in the wards of a hospital recognised for the purpose, or partly in the wards of a hospital and partly in a dispensary, both recognised for the purpose.

5. A course of practical instruction in Dermatology, including at least ten meetings of the class, each meeting being for clinical and practical demonstrations.

12. The candidate must have conducted twenty cases of labour, under such conditions as the Senatus, with the approval of the University Court, may from time to time prescribe.

\* \* In accordance with the rules of the General Medical Council the following conditions are prescribed :

1. The candidate must previously have held the offices of Clinical Medical Clerk and Surgical Dresser, and have attended a course of lectures on Surgery and on Midwifery.

2. The candidate must *either*—

(a) Have regularly attended the indoor practice of a Lying-in Hospital, or the lying-in wards of a General Hospital, for a period of three months; and after having received therein practical instruction in the conduct of labour, under the personal supervision of a Medical Officer, have conducted twenty cases of labour under official medical supervision; *or*

(b) Have conducted not less than twenty cases of labour, subject to the following conditions—

That he has, during one month, given regular daily attendance upon the indoor practice of a Lying-in Hospital, or the lying-in wards of a General Hospital or Poor-Law Infirmary having a resident Medical Officer recognised for that purpose by any of the Licensing Bodies, and that he has therein conducted cases of labour under the personal supervision of a Medical Officer of the Hospital or Infirmary, who shall, when satisfied of the candidate's competence, authorise him to conduct outdoor cases under official medical supervision.

13. The candidate must have been properly instructed in Vaccination, at a Public Vaccination Station, by a Public Vaccinator authorised by a proper Government Authority to grant Certificates of Proficiency in Vaccination.<sup>1</sup>
14. The candidate must have been properly instructed in the Administration of Anæsthetics and in Operative Surgery, under such conditions as the Senatus, with the approval of the University Court, may from time to time prescribe.

\* \* The candidate must present a certificate from a Professor, Lecturer, or Teacher giving a course of instruction in Clinical Surgery, testifying that, after having received theoretical instruction in Anæsthetics, the candidate has acquired practical experience in their administration.

The course of instruction in Operative Surgery shall include not less than thirty hours of practical work, and shall extend over at least one month.

15. The Senatus, with the approval of the University Court, shall have power to prescribe the form of the certificate of attendance on any course of instruction, or on the practice of any Hospital or Dispensary, to be presented by the candidate: Provided always that no candidate shall be deemed to have attended a course of instruction for the purposes of graduation who does not present a certificate bearing not only that he has regularly attended the course, but also that he has duly performed the work thereof.
16. The Senatus, with the approval of the University Court, shall have power to require that the course of instruction in any of the subjects of the Curriculum shall include practical work, to prescribe the order in which the several courses of instruction shall

<sup>1</sup> The recognised Vaccine Departments in Glasgow are—Western Infirmary and Royal Infirmary.

be attended, and to limit the number of such courses that may be attended in any term or year.

\* \* The following rules shall be observed :

Of the courses of instruction specified in Section VIII., sub-section 4—

No. 6, Physiology and Practical Physiology, shall not be taken till after the end of the candidate's third term ;

No. 7, Materia Medica and Therapeutics, and No. 8, Pathology and Practical Pathology, shall not be taken till after the end of the candidate's sixth term ;

No. 9, Medical Jurisprudence and Public Health, *shall not be taken before the candidate has completed his attendance on the classes in the subjects of the Third Professional Examination.*

No. 10, Midwifery and Diseases peculiar to Women and to Infants, No. 11, Surgery, and No. 12, Medicine, shall not be taken till after the end of the candidate's ninth term : Provided that a candidate who has passed the professional examination in the subjects of the second division (Anatomy and Physiology) may take the course in No. 11, Surgery, after the end of his sixth term.

The attendance on Hospital Practice required under Section VIII., sub-section 5, and the courses of instruction in Clinical Medicine, Clinical Surgery, etc., prescribed under sub-sections 6, 7, 8, 10, 11, 12, 13, and 14, shall not be taken till after the end of the sixth term.

IX. With respect to the Places and Institutions at which Medical study may be pursued, the following Regulations shall have effect :

1. Not less than two years or six terms of Medical study must be spent in attendance at the University of Glasgow on courses of instruction in the subjects of the Curriculum.
2. Subject to the provision of Section VIII., sub-section 3, the remaining three years or nine terms of Medical study may be spent in attendance on courses of instruction in the subjects of the Curriculum at any University of the United Kingdom, or at such Indian, Colonial, or Foreign University, or at such College incorporated with or affiliated to a University, or at such Medical Schools or under such Teachers, as may be recognised for the purpose by the University Court.
3. Of the subjects of study specified in Section VIII., sub-section 4, not less than one half the number must be studied at the University of Glasgow, or at some other University of the United Kingdom, or at a recognised Indian, Colonial, or Foreign University, or at a recognised College incorporated with or affiliated to a University.
4. Subject to the provision of sub-section 3 immediately preceding, the prescribed courses of instruction in any of the subjects of study specified in Section VIII., sub-section 4, may be attended

at one or more recognised Medical Schools or under one or more recognised Teachers.

5. All candidates, not Matriculated Students of the University, attending, for the purposes of graduation in the University, the courses of instruction of recognised Extra-Academical Teachers in Glasgow, must, during each academical year in which such course or courses are attended, enrol their names in a book to be kept in the University for that purpose, paying a Fee of the same amount as the Matriculation Fee paid by Matriculated Students of the University, and having, in respect of such payment, a right to the use of the Library of the University.
6. The Fee for attendance, for the purposes of graduation, on the courses of instruction of recognised Extra-Academical Teachers in Glasgow, shall be not less than the amount exigible for the corresponding courses in the University.
7. The University Court shall not recognise as qualifying for admission to examination in any of the subjects specified in Section VIII., sub-section 4, the course of instruction of any Teacher who is at the time a Teacher of more than one of the said subjects, except in those cases where Professors in the University are at liberty to teach two subjects: Provided always that a Professor or other Teacher in any endowed public College or Institution, who by the terms of his appointment is required to teach more than one subject of Medical study therein, may be recognised under sub-section 2 of this Section as a Teacher of any one of the subjects which he teaches.
8. A Teacher, attendance on whose course of instruction shall, before the date of the approval of this Ordinance by His Majesty in Council, have been recognised for the purposes of graduation in the University, shall not require to obtain a new recognition from the University Court; and attendance on the course of instruction of every such Teacher may continue to be recognised as heretofore.
9. It shall be in the power of the University Court, if it shall see cause, at any time to withdraw or suspend any recognition which it may have granted.
10. The University Court shall not grant or continue recognition to any Institutions or Teachers unless it shall be satisfied that their courses of instruction are equivalent to the courses prescribed for graduation in the University.

#### PROFESSIONAL EXAMINATION FOR THE DEGREES OF BACHELOR OF MEDICINE AND BACHELOR OF SURGERY.

X. The Examination for the Degrees of Bachelor of Medicine and Bachelor of Surgery shall include the following subjects, arranged in the following divisions, namely: *First*, Chemistry, Physics, Botany,



and Zoology; *Second*, Anatomy, and Physiology; *Third*, Materia Medica and Therapeutics, and Pathology; *Fourth*, Medical Jurisprudence and Public Health, Surgery and Clinical Surgery, Practice of Medicine and Clinical Medicine, and Midwifery and the Diseases peculiar to Women and to Infants.

No candidate shall be admitted to examination in any subject until he has attended the prescribed course of instruction in that subject, and fulfilled the prescribed conditions with reference thereto.

The examination in each subject shall be conducted both orally and in writing; and in those subjects in which practical or clinical instruction is prescribed, and in which a practical or clinical examination may suitably be held, the examination shall be such as to test the practical or clinical acquirements of the candidate. In determining the result of any practical or clinical examination the Examiners, under such conditions as the Senatus, with the approval of the University Court, may from time to time prescribe, may take account of the records of the practical or clinical work done by the candidate himself during his attendance on the prescribed course of instruction.

\* Such records of practical or clinical work shall not be taken into account unless they are certified, by the Teacher giving the course of instruction, to be the original records made by the candidate, which were submitted to and approved by the Teacher at the time the work was done.

XI. (a) The Senatus, with the approval of the University Court, shall have power to determine that a prescribed interval shall elapse between the time when a candidate passes the examinations in the subjects of one division and the time of his admission to examination in the subjects of a subsequent division, or that a candidate who has not passed the examinations in the subjects of one division shall be restrained from attendance on qualifying courses of instruction in any subject or subjects of a subsequent division, or that under prescribed conditions a candidate may pass the examinations in the subjects of any division singly or together, or that the examinations in the subjects of any division shall be taken in a prescribed order.

\* 1. A candidate who has not passed the examinations in three at least of the subjects of the first division shall not be allowed to attend any part of the qualifying course in Physiology, except the practical course in Histology in the third or summer term.

2. A candidate who has not passed the examinations in the subjects of the second division (Anatomy and Physiology) shall not be allowed to attend the qualifying course in Surgery till after the end of the ninth term.

3. A candidate may pass the examinations in the subjects of the first division taken singly or together, provided that, when he presents himself for the first time, he passes in at least two subjects (subject to Section XVIII.).

4. A candidate must (subject to Section XVIII.) pass the examinations in the subjects of the second division taken together.

5. A candidate may pass the examinations in the subjects of the third division taken singly or together.

6. A candidate may pass the examination in Medical Jurisprudence and Public Health separately from the examinations in the other subjects of the fourth division, but not earlier than the end of the twelfth term.

7. A candidate must (subject to Section XVIII.) pass the examinations in the other subjects—Medicine, Surgery, and Midwifery—of the fourth or final division taken together.

(b) The University Court shall have power, by Regulations made from time to time, on the recommendation of or after consultation with the Senatus, to alter the number of the divisions specified in Section X., to introduce additional subjects into any division, or to determine that particular subjects or parts of subjects shall for the purposes of examination be subdivided or combined or transferred from one division to another: Provided always that the final division shall in all cases include practical and clinical examinations in Medicine, Surgery, and Midwifery. The University Court shall communicate to the General Council all Regulations proposed to be so made, and any representation made thereon by the General Council within two months from the date of such communication shall be taken into consideration by the University Court before any such Regulation is made.

XII. The Senatus, with the approval of the University Court, shall have power, in the case of a candidate who at any other Scottish University has attended a qualifying course of instruction and passed the corresponding examination in any of the subjects prescribed for graduation (other than the subjects of Medicine, Surgery, and Midwifery), to determine that such examination shall be accepted as equivalent in whole or in part to the corresponding examination of the University of Glasgow: Provided always that in the judgment of the Senatus the course of instruction is equivalent to the course prescribed for graduation in the University of Glasgow, and that the standard of the examination is satisfactory.

XIII. A candidate who has attended the prescribed course or courses of instruction in any of the subjects comprised in the first division may be admitted to examination therein, at such time and under such conditions as the Senatus, with the approval of the University Court, shall determine.

In the case of a candidate who has, at any University of the United Kingdom, or at any other University specially recognised for the purpose by the University Court, completed a course of instruction and passed an examination in Chemistry, Physics, Botany, or Zoology, or in Biology (including therein Botany and Zoology), qualifying for a Degree in Science or in Arts or in Medicine, the Senatus shall have power to exempt him from passing the examination in the corresponding subject or subjects comprised in the first division: Provided always that in the judgment of the Senatus the course of instruction and the standard of examination are in each case satisfactory, and provided also that he has passed or obtained exemption from the Preliminary Examination in accordance with the provisions of this Ordinance.

XIV. A candidate who has passed the examinations in the subjects comprised in the first division may be admitted to examination in the subjects of the second division after the end of the sixth term of Medical study, or such other term as the Senatus, with the approval of the University Court, shall determine.

XV. A candidate who has passed the examinations in the subjects comprised in the second division may be admitted to examination in the subjects of the third division after the end of the ninth term of Medical study, or such other term as the Senatus, with the approval of the University Court, shall determine.

\* \* Students commencing their medical studies in winter may be admitted to the third professional examination at the end of their ninth term of medical study, and those commencing in summer at the end of the tenth term.

XVI. A candidate who has passed the examinations in the subjects comprised in the third division may be admitted to examination in the subjects of the fourth or final division at such time and under such conditions as the Senatus, with the approval of the University Court, shall determine: Provided always that no candidate shall be admitted to the final examinations in Medicine, Surgery, and Midwifery until the end of the fifteenth term of Medical study.

XVII. If any candidate at any of the examinations be found unqualified in a subject or subjects he may not be again admitted to the examination unless he has pursued such further study, for such time and under such conditions, as the Faculty of Medicine may prescribe.

\* \* A candidate who has been found unqualified in any subject of the fourth or final division shall not be readmitted to examination unless he furnishes evidence of having further studied that subject for such a period as the Faculty of Medicine, on the report of the Examiners, may prescribe.

XVIII. If any candidate at any of the examinations be found to have passed in a subject or subjects with special merit, he may be exempted from re-examination in such subject or subjects, although he may have been found unqualified in a subject or subjects included in the same examination.

XIX. Every candidate for graduation must, on or before such day as the Senatus may from time to time determine, deliver to the Clerk of the Senatus a declaration, in his own handwriting, that he has completed his twenty-first year, or that he will have completed it on or before the day of graduation.

XX. After the candidate has fulfilled the prescribed conditions and has satisfied the Examiners in the subjects of the fourth or final division of the Examination, the Dean of the Faculty of Medicine shall on behalf of the Faculty report the result to the Senatus, by whose authority the candidate shall be admitted, on such day as the Senatus may from time to time appoint, to the Degrees of Bachelor of Medicine and Bachelor of Surgery, on payment of the required fees.

XXI. Candidates for graduation shall produce evidence of their having conformed to the Regulations which were in force at the time they commenced their course of Medical study, except in so far as is provided in Section XXVII. hereof.

TABLE OF EXAMINATIONS FOR DEGREES IN MEDICINE TO BE HELD DURING SESSION 1916-17.

Fees.	Names to be given in and Fees paid to the Registrar, The University. <sup>1</sup> Date. <sup>2</sup>	Subjects of Examination.	DATES OF WRITTEN EXAMINATIONS AND HOURS AT WHICH THE DIFFERENT PAPERS WILL BE SET.	
			SEPTEMBER—OCTOBER, 1916.	MARCH, 1917.
The Fees are—First Professional £5 6s.; Second, £6 6s.; Third, £5 6s.; Fourth, £5 5s.	21st to 25th Aug., 1916, or 12th to 16th Feb., 1917.	Medical Jurisprudence, - Public Health, - Practice of Medicine, - Surgery, - Midwifery, -	Thurs., 21st Sept., 10-12 noon. Do., do., 2-4 p.m. Friday, 22nd Sept., 10-12 noon. Do., do., 2-4 p.m. Sat., 23rd Sept., 10-12 noon.	Sat., 24th Mar., 9-11 a.m. Do., do., 12-2 p.m. Thurs., 22nd Mar., 10-12 noon. Do., do., 2-4 p.m. Friday, 23rd Mar., 2-4 p.m.
	21st Aug. to 1st Sept., 1916, or 26th Feb. to 5th Mar., 1917	Botany, - Materia Medica, - Physics, - Zoology, - Anatomy, - Chemistry, - Physiology, - Pathology, -	Friday, 29th Sept., 9-11 a.m. Do., do., 9-11 a.m. Do., do., 2-4 p.m. Sat., 30th Sept., 9-11 a.m. Do., do., 9-11 a.m. Do., do., 12-2 p.m. Do., do., 12-2 p.m. Do., do., 12-2 p.m.	Sat., 24th Mar., 9-11 a.m. Friday, 23rd Mar., 9-11 a.m. Sat., 24th Mar., 2-4 p.m. Friday, 23rd Mar., 9-11 a.m. Mon., 26th Mar., 9-11 a.m. Fri., 23rd Mar., 2-4 p.m. Mon., 26th Mar., 12-2 p.m. Do., do., 9-11 a.m.

<sup>1</sup> For Women Students, Miss Melville, Queen Margaret College.

<sup>2</sup> When names are not given in and fees are not paid within the stated dates, a late Entry Fee of Twenty Shillings must be paid before the candidate can be enrolled for examination. A candidate is not held to be enrolled for examination until his name is entered, the fee paid, and all the necessary Certificates, etc., lodged. Late Entry Fees will not be accepted less than eight days before the date of examination. Every candidate must matriculate at the University for the session in which he enters for professional examination or for graduation.

For Dates in regard to Medical Preliminary Examination, see page 245.

Any candidate for the Degrees of M.B. and Ch.B., under the New Medical Ordinance, re-entering for an examination shall pay a Re-admission Fee of £1 1s.

PROFESSIONAL EXAMINATION FOR THE DEGREE OF DOCTOR OF  
MEDICINE.

- XXII. 1. Subject to the conditions hereinafter specified, the Degree of Doctor of Medicine may be conferred on any candidate who has obtained the Degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Glasgow, and is of the age of twenty-four years or upwards, and has produced a certificate showing that, after having received the Degrees of Bachelor of Medicine and Bachelor of Surgery, he has been engaged for at least one year in attending the Medical Wards of an Hospital or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Naval, Military, Colonial, or Public Health Medical Services, or has been engaged for at least two years in Practice other than Practice restricted to Surgery.
2. Each candidate for the Degree of Doctor of Medicine shall be required to pass an examination in Clinical Medicine or in such special department of Medical Science or Practice professed by the candidate as the Senatus, on the recommendation of the Faculty of Medicine, may approve; and he may be admitted to the examination at such time, not sooner than one year after he has received the Degrees of Bachelor of Medicine and Bachelor of Surgery, as the Senatus may appoint for the purpose.<sup>2</sup>
3. Each candidate for the Degree of Doctor of Medicine shall submit for the approval of the Faculty of Medicine a Thesis on any branch of knowledge, comprised in the several divisions of the Examination for the Degrees of Bachelor of Medicine and Bachelor of Surgery, which he may have made a subject of special study, excepting a subject that is exclusively surgical; and the Thesis, accompanied by a declaration signed by the candidate that the work has been done and the Thesis composed by himself, shall be lodged with the Dean of the Faculty of Medicine<sup>1</sup> on or before a date to be fixed by the Senatus.<sup>2</sup> The Faculty may, if it sees fit, before approving the Thesis, require the candidate to present himself for oral or other examination on the subject-matter thereof. If the Thesis is, in the judgment of the Faculty, of special merit, the Senatus may, on the recommendation of the Faculty, exempt the candidate from the whole or part of the examination prescribed in sub-section 2 of this Section.<sup>3</sup>
4. A Bachelor of Medicine and Bachelor of Surgery, who produces to the Senatus satisfactory evidence of his intention of entering within twelve months after obtaining such Degrees on the practice of his profession in a British Possession or Colony, or in a Foreign Country, may, under such conditions as the Senatus may from time to time prescribe, be admitted to the examination in Clinical Medicine or in a special department of Medical Science or Practice prescribed in sub-section 2 of this Section,

<sup>1</sup> At the Registrar's Office.

<sup>2</sup> For entry and examination arrangements, see p. 363.

<sup>3</sup> Candidates whose Theses have been awarded "Honours" will be exempted from the examination.

at such time after he has received such Degrees as the Senatus may appoint for the purpose: Provided always that in special circumstances the Senatus may, if it sees fit, on the recommendation of the Faculty of Medicine, exempt him from the whole or part of the examination; but the Degree of Doctor of Medicine shall not be conferred on him unless he shall produce a certificate showing that, after having received the Degrees of Bachelor of Medicine and Bachelor of Surgery, he has been engaged for at least one year in attending the Medical Wards of an Hospital or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Naval, Military, Colonial, or Public Health Medical Services, or for at least two years in Practice other than Practice restricted to Surgery, and unless his Thesis, in the judgment of the Faculty of Medicine, is of special merit.

PROFESSIONAL EXAMINATION FOR DEGREE OF MASTER OF SURGERY.

- XXIII. 1. Subject to the conditions hereinafter specified the Degree of Master of Surgery may be conferred on any candidate who has obtained the Degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Glasgow, and is of the age of twenty-four years or upwards, and has produced a certificate showing that, after having received the Degrees of Bachelor of Medicine and Bachelor of Surgery, he has been engaged for at least one year in attending the Surgical Wards of an Hospital or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Naval, Military, or Colonial Medical Services, or has been engaged for at least two years in Practice other than Practice restricted to Medicine.
2. Each candidate for the Degree of Master of Surgery shall be required to pass an examination in the following subjects: Surgical Anatomy, Operations upon the dead body, and Clinical Surgery or such special department of Surgery professed by the candidate as the Senatus, on the recommendation of the Faculty of Medicine, may approve; and he may be admitted to the examination at such time, not sooner than one year after he has received the Degrees of Bachelor of Medicine and Bachelor of Surgery, as the Senatus may appoint for the purpose.<sup>1</sup>
3. Each candidate for the Degree of Master of Surgery shall submit for the approval of the Faculty of Medicine a Thesis on any branch of knowledge, comprised in the several divisions of the Examination for the Degrees of Bachelor of Medicine and Bachelor of Surgery, which he may have made a subject of special study, excepting a subject that is exclusively medical; and the Thesis, accompanied by a declaration signed by the candidate that the work has been done and the Thesis composed by himself, shall be lodged with the Dean of the Faculty of

<sup>1</sup> For entry and examination arrangements, see p. 365.

Medicine<sup>1</sup> on or before a date to be fixed by the Senatus.<sup>2</sup> The Faculty may, if it sees fit, before approving the Thesis, require the candidate to present himself for oral or other examination on the subject-matter thereof. If the Thesis is, in the judgment of the Faculty, of special merit, the Senatus may, on the recommendation of the Faculty, exempt the candidate from the whole or part of the examination prescribed in sub-section 2 of this Section.<sup>3</sup>

4. A Bachelor of Medicine and Bachelor of Surgery who produces to the Senatus satisfactory evidence of his intention of entering within twelve months after obtaining such Degrees on the practice of his profession in a British Possession or Colony, or in a Foreign Country, may, under such conditions as the Senatus may from time to time prescribe, be admitted to the examination in the subjects specified in sub-section 2 of this Section, at such time after he has received such Degrees as the Senatus may appoint for the purpose: Provided always that in special circumstances the Senatus may, if it sees fit, on the recommendation of the Faculty of Medicine, exempt him from the whole or part of the examination; but the Degree of Master of Surgery shall not be conferred on him unless he shall produce a certificate showing that, after having received the degrees of Bachelor of Medicine and Bachelor of Surgery, he has been engaged for at least one year in attending the Surgical Wards of an Hospital or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Naval, Military, or Colonial Medical Services, or for at least two years in Practice other than Practice restricted to Medicine, and unless his Thesis in the judgment of the Faculty of Medicine is of special merit.

#### FEES.

XXIV. The fee to be paid to the University of Glasgow for the Degrees of Bachelor of Medicine and Bachelor of Surgery shall be twenty-two guineas, and the proportion of this sum to be paid by a candidate at each division of the Examination shall be regulated from time to time by the University Court. The fee to be paid for the Degree of Doctor of Medicine shall be fifteen guineas. The fee to be paid for the Degree of Master of Surgery shall be fifteen guineas. The fee to be paid for a Diploma in a Special Branch of Medical or Surgical Practice shall be determined from time to time by the University Court. A candidate for any Degree in Medicine or Surgery, or for any Diploma, who has failed to pass any examination, or whose Thesis has not been approved, may, before re-admission to the examination or before again submitting a Thesis for approval, be required to pay such additional fee as the University Court may determine.

#### EXAMINERS.

XXV. The Examiners for graduation in Medicine in the University

<sup>1</sup> At the Registrar's Office.

<sup>2</sup> For entry and examination arrangements see p. 365.

<sup>3</sup> Candidates whose Theses have been awarded "Honours" will be exempted from the examination.

shall be the Professors constituting the Faculty of Medicine, together with such Lecturers in the University and such additional Examiners, to be appointed by the University Court, as the University Court shall deem necessary: Provided always that the Court shall make such provision as will ensure that every candidate shall be examined in each subject by at least two Examiners, of whom one shall be an additional Examiner appointed by the University Court. The examinations shall be conducted under Regulations made from time to time by the Senatus, with the approval of the University Court.

PROFESSOR OF NATURAL PHILOSOPHY TO BE A PROFESSOR IN THE  
FACULTY OF MEDICINE.

XXVI. Immediately after the words "Faculty of Medicine" in Ordinance No. 31, Section 1, sub-section 5; shall be inserted the words, "The Professor of Natural Philosophy."

DATE OF COMING INTO OPERATION.

XXVII. Every student who began his course of Medical study before the date when this Ordinance comes into operation shall be entitled to graduate under the system in force before or after that date, according as he shall comply with the Regulations in force in the University before or after that date.

XXVIII. From and after the date at which this Ordinance comes into operation Ordinances numbered 14, 54, 156 of the Commissioners under the Universities (Scotland) Act, 1889, are hereby revoked as regards the University of Glasgow, and any reference made in existing Ordinances applicable to the University of Glasgow to the Ordinances so revoked shall be deemed to refer to this Ordinance.

XXIX. The provisions of this Ordinance shall come into operation at the beginning of the academical year next after the approval thereof by His Majesty in Council.

[Approved, 25th May, 1911.]

DEGREES OF M.D. and Ch.M.

Regulations extracted from Ordinance No. 14, Glasgow No. 1, for the information and guidance of those who obtained the degrees of M.B. and Ch.B., or M.B. and C.M., under the rules in force previous to the date of the New Medical Ordinance.

PROFESSIONAL EXAMINATION FOR THE DEGREE OF DOCTOR OF MEDICINE.

XXI. 1. Subject to the conditions hereinafter specified, the Degree of Doctor of Medicine shall be conferred on any candidate who has obtained the Degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Glasgow, and is of the age of twenty-four years or upwards, and has produced a certificate of having been engaged subsequently to having received the Degrees of Bachelor of Medicine and Bachelor of Surgery for at least one year in attendance in the Medical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is



conducted in the Research Laboratories of the University, or in the Military or Naval Medical Services, or for at least two years in Practice other than Practice restricted to Surgery.

2. Each candidate for the Degree of Doctor of Medicine shall be required to pass an examination in Clinical Medicine and in such of its special departments as the Senatus, with the approval of the University Court, by Regulations framed from time to time, shall determine; and he may present himself for examination in Clinical Medicine at any period of examination subsequent to one year after he has received the Degrees of Bachelor of Medicine and Bachelor of Surgery.

Under this sub-section the following regulations have been framed by the Senatus, and approved by the University Court :—

The Examination in Clinical Medicine for the Degree of Doctor of Medicine shall for each candidate consist of a written Report and Commentary, with any oral questions that may be considered desirable, upon at least three Medical cases. In the selection of the cases, special regard shall be given to the opportunities they afford for testing the candidate, not only in the ordinary methods of clinical investigation, but also in the more advanced methods requiring practical knowledge in the applications of the ophthalmoscope and laryngoscope, in the chemical and microscopical examination of excreta, the quantitative determination and microscopic characters of the chief constituents of blood possessing clinical importance, the recording by instruments of the condition of the circulation, the applications of electricity, etc.

Provided always that one of the cases on which a candidate is examined may, if the candidate on entering his name for the Examination declare a wish to that effect, be from one of the following departments, namely, Diseases of Women, Diseases of Children, Mental Diseases, Zymotic Diseases, Diseases of the Eye, Diseases of the Throat, Diseases of the Ear, Diseases of the Skin. Should the candidate specialise in one of these departments he will be expected to show high proficiency in it.

The Clinical Examinations for M.D. will be held twice in each Session. The dates of the next examinations are—23rd and 25th September, 1916; 24th and 26th March, 1917. All Theses for the degree must be lodged with the Registrar, The University, on or before 1st May in each year.<sup>1</sup> Candidates are required to enter their names for the Clinical Examinations early in September<sup>2</sup> for the Autumn, and early in February<sup>3</sup> for the Spring Examination. [*For entry forms apply to the Registrar. All Theses to be bound in stiff boards.*]

3. Each candidate for the Degree of Doctor of Medicine shall submit for the approval of the Faculty of Medicine a Thesis on any branch of knowledge comprised in the second, third, or fourth

<sup>1</sup> In 1917, from 26th April till 1st May.

<sup>2</sup> In 1916, from 30th August till 1st September.

<sup>3</sup> In 1917, from 12th till 16th February.

examinations for the Degrees of Bachelor of Medicine and Bachelor of Surgery, which he may have made a subject of study after having received those Degrees, excepting subjects which are exclusively Surgical; and the Thesis, accompanied by a declaration signed by the candidate, that the work has been done and the Thesis composed by himself,<sup>1</sup> shall be lodged with the Dean of the Faculty of Medicine (at the Registrar's Office) on or before a date to be fixed by the Senatus (1st May).<sup>2</sup>

4. A Bachelor of Medicine and Bachelor of Surgery, who produces to the Senatus satisfactory evidence of his intention of entering within twelve months after obtaining such degrees on the practice of his profession in a British Possession or Colony, or in a foreign Country, may, under Regulations to be framed by the Senatus, be admitted to the examination in Clinical Medicine at any period of examination after he has received such degrees; but the Degree of Doctor of Medicine shall not be conferred on him unless he shall produce a certificate that, subsequently to having received the Degrees of Bachelor of Medicine and Bachelor of Surgery, he has been engaged for at least one year in attendance in the Medical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Naval or Military Medical Services, or for at least two years in Practice which has not been exclusively surgical, and unless his Thesis in the judgment of the Faculty of Medicine is of exceptional merit.

*Bachelors of Medicine and Masters of Surgery of the University of Glasgow, who have graduated under the regulations in force before the fifth day of August, 1892, may proceed to the Degree of Doctor of Medicine under the provisions of this section, in the same manner as if they held the Degree of Bachelor of Surgery.*<sup>3</sup>

#### PROFESSIONAL EXAMINATION FOR DEGREE OF MASTER OF SURGERY.

- XXII. 1. Subject to the conditions hereinafter specified the Degree of Master of Surgery shall be conferred on any candidate who has obtained the Degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Glasgow, and is of the age of twenty-four years or upwards, and has produced a certificate of

<sup>1</sup> The Faculty of Medicine give notice that no Thesis will be approved unless it gives evidence of original observation, or, if it deal with the researches of others, gives a full statement of the literature of the question, with accurate references and critical investigation of the views or facts cited: mere compilations will in no case be accepted.

The Senate, on 3rd June, 1909, resolved as follows:—In future a Thesis to be eligible as a Thesis for the Degree of M.D. shall be a dissertation written for the purpose, provided that the results of original observations already published in medical or scientific journals or in the transactions of learned societies or otherwise may be accepted in place of such a dissertation; as heretofore, the Thesis as submitted shall become the property of the University, and shall be deposited in the University Library.

*All Theses, whether accepted as sufficient or not, shall become the property of the University.*

<sup>2</sup> In 1917, from 26th April till 1st May. For entry forms apply to the Registrar.

<sup>3</sup> Taken from Ordinance No. 54, Section VI., which was issued by the Universities Commissioners on 18th July, 1894, and came into operation on 11th May, 1895, having on that date been approved by Her Majesty in Council.

having been engaged, subsequently to his having received the Degrees of Bachelor of Medicine and Bachelor of Surgery, for at least one year in attendance in the Surgical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Military or Naval Medical Services, or for at least two years in practice other than practice restricted to Medicine.

2. Each candidate for the Degree of Master of Surgery shall be required to pass an examination in the following subjects:—Surgical Anatomy, Operations upon the dead body, and Clinical Surgery, and in such of the special departments of Clinical Surgery as the Senatus, with the approval of the University Court, by Regulations framed from time to time, may determine; and he may present himself for examination in these subjects at any period of examination subsequent to one year after he has received the Degrees of Bachelor of Medicine and Bachelor of Surgery.

Under this sub-section the following regulations have been framed by the Senatus, and approved by the University Court:—The Examination in Clinical Surgery for the Degree of Master of Surgery shall for each candidate consist of a written Report and Commentary, with any oral questions that may be considered desirable on at least three Surgical cases.

Provided that one of the three Surgical cases on which a candidate is examined shall, if the candidate on entering his name for the Examination declare a wish to that effect, be from one of the following departments, namely, Surgical Diseases of Women, Diseases of the Throat, Diseases of the Eye, Diseases of the Ear. Should the candidate specialise in one of these departments he will be expected to show high proficiency in it.

The examinations for Ch.M. will be held twice in each Session. The arrangements for entry and as to Theses are the same as for M.D. (*supra*).

3. Each candidate for the Degree of Master of Surgery shall submit for the approval of the Faculty of Medicine a Thesis on any branch of knowledge comprised in the second, third, or fourth Examinations for the Degrees of Bachelor of Medicine and Bachelor of Surgery, which he may have made a subject of study after having received those Degrees, excepting subjects that are exclusively medical; and the Thesis, accompanied by a declaration signed by the candidate that the work has been done and the Thesis composed by himself,<sup>1</sup> shall be lodged with the Dean of the Faculty of Medicine (at the Registrar's Office) on or before a date to be fixed by the Senatus (1st May).
4. A Bachelor of Medicine and Bachelor of Surgery who produces to the Senatus satisfactory evidence of his intention of entering, within twelve months after obtaining such degrees, on the practice of his profession in a British Possession or Colony, or in a foreign Country, may, under Regulations to be framed by the Senatus, be admitted to examination in the subjects specified in

<sup>1</sup> See footnote 1 on page 364.

Sub-section 2 of this section, at any period of examination after he has received such degrees; but the Degree of Master of Surgery shall not be conferred on him unless he shall produce a certificate that, subsequently to having received the Degrees of Bachelor of Medicine and Bachelor of Surgery, he has been engaged for at least one year in attendance in the Surgical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Naval or Military Medical Services, or for at least two years in Practice which has not been exclusively medical, and unless his Thesis, in the judgment of the Faculty of Medicine, is of exceptional merit.

#### FEES.

The fee to be paid for the Degree of Doctor of Medicine shall be ten guineas, exclusive of any stamp duty which for the time may be exigible. The fee to be paid for the Degree of Master of Surgery shall be ten guineas.

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#### DISTINCTIONS ATTAINABLE BY STUDENTS AND GRADUATES IN MEDICINE.

Candidates who have shown special merit in any subject or subjects at any of the Professional Examinations will be announced as having passed in such subject or subjects "with distinction."

Candidates who have shown special merit as indicated by the aggregate results of the four Professional Examinations will be announced, at the time of Graduation, as having obtained Commendation or Honours, according to the degree of excellence.<sup>1</sup>

In connection with the Higher Degrees in Medicine and Surgery three grades of distinction are awarded, viz., Commendation, High Commendation, and Honours. The Bellahouston Trustees have put it in the power of the University to award three Gold Medals yearly to those who, having gained Honours, are pronounced by the Senate on the report of the Faculty of Medicine worthy of this highest distinction for the excellence of their Theses.

For Straits Settlements Gold Medal, see under Prizes.

Graduates in Medicine or Surgery to whom Honours are awarded for their Theses are requested to publish these Theses in Journals or otherwise, and to supply copies to the University for exchange with other Universities.

#### GRADUATION.

Candidates proceeding to graduation, if not already Members of the General Council of the University, are required by the Act 44 and 45 Vict., ch. 40, to pay to the Registrar of the General Council

<sup>1</sup>A Candidate exempted from a subject or subjects of the First Professional on account of having passed an accepted examination or examinations is credited with not more than pass marks.

the Registration Fee, and furnish to him the particulars required for their enrolment in the General Council.

In accordance with the Promissory Oaths Act, 1868, a Declaration in the following English form is now substituted for the Latin Oath<sup>1</sup> formerly required to be taken and subscribed by every candidate on graduation :—

I do solemnly and sincerely declare, that, as a Graduate in Medicine of the University of Glasgow, I will exercise the several parts of my profession, to the best of my knowledge and abilities, for the good, safety, and welfare of all persons committing themselves, or committed to my care and direction; and that I will not knowingly or intentionally do anything or administer anything to them to their hurt or prejudice, for any consideration, or from any motive whatever. And I further declare, that I will keep silence as to anything I have seen or heard while visiting the sick which it would be improper to divulge.

And I make this solemn declaration in virtue of the Provisions of the Promissory Oaths Act, 1868, substituting a Declaration for Oaths in certain cases.

#### REGISTRATION OF MEDICAL PRACTITIONERS.

Graduates should register as soon as possible with the Branch Registrar for Scotland, at 54 George Square, Edinburgh. Fee £5 2s. Additional qualifications, £1 each.

#### 5.—GRADUATION IN LAW.

Two Degrees in Law are conferred, after examination, by the University of Glasgow, viz., Bachelor of Laws (LL.B.) and Bachelor of Law (B.L.).

By regulation of the Faculty of Advocates, any one who has obtained the Degree of LL.B. from a Scottish University is held qualified in General Scholarship and Law with a view to admission to the Bar, without examination or other evidence of such qualification, except as stated on page 169.

By the Law Agents Act, 36 and 37 Vict., c. 63, the holder of a degree in Law or in Arts of a University in Great Britain or Ireland, granted after examination, is qualified to apply for admission as a Law Agent after an apprenticeship of three years, instead of five, as required in the ordinary case; and by Act of Sederunt of 20th July, 1878, any applicant who holds the Degree of LL.B. or of

<sup>1</sup> *The Oath was in these words:—*Testor Deum omnipotentem me hoc Iusjurandum pro virili servaturum; Victus rationem aegris commodam et salutarem præsripturum: nullius intercessione nec sponte noxium pharmacum cuiquam propinaturum; sed sancte et caste vitam artemque meam instituturum; In quascunque domos intravero ad aegrotantium duntaxat salutem ingressurum et ab omni injuria inferenda procul futurum: Quaecunque inter curandum videro audiverove siquidem ea efferre non expediat silentio suppressurum.

B.L. of any Scottish University is exempted from any examination in Law before the Examiners of Law Agents, excepting only on forms of Process, Civil and Criminal, and a similar provision is contained in the Act of Sederunt of 18th March, 1893. (See also page 170.)

#### Degree of LL.B.

The following are the provisions of Ordinance No. 39, General No. 11, which, having been approved by Her Majesty in Council on 28th May, 1894, applies to all students who, after 30th September, 1894,<sup>1</sup> began their course of study with a view to graduation in Law:—

I. No one shall be admitted to examination as a candidate for the Degree of Bachelor of Laws (LL.B.) unless he be a graduate in Arts of one of the Universities of the United Kingdom; or of any Foreign or Colonial University specially recognised for the purpose by the University Court.

II. The course of study in Law for the Degree of Bachelor of Laws shall include the following subjects:—

- (1) Jurisprudence, General or Comparative, during a course of not less than forty lectures.
- (2) The Law of Nations or Public International Law, during a course of not less than forty lectures.
- (3) Civil Law during a course of not less than eighty lectures.
- (4) Law of Scotland, or Law of England, during a course of not less than eighty lectures.
- (5) Constitutional Law and History, during a course of not less than eighty lectures.
- (6) Conveyancing, during a course of not less than eighty lectures; or Political Economy, or Mercantile Law, during a course of not less than eighty lectures.
- (7) Any two of the following subjects, namely:—International Private Law, Political Economy, Administrative Law, [Evidence and Procedure<sup>2</sup>], and Forensic Medicine; in each case during a course of not less than forty lectures [or such other subject included in the Department of History and Law, or in the Faculty of Law as the Senatus, with the approval of the University Court, may from time to time determine<sup>2</sup>].

III. (1) The course of study necessary for the Degree of Bachelor of Laws shall extend over three academical years, one of which at least must be spent in the University in which the candidate intends to graduate, the other two may have been spent in any other University or School of Law specially recognised by the University Court.

(2) No candidate for a degree shall be deemed to have attended a class as part of the course of study necessary for that degree who does not

<sup>1</sup> Students who began their course previous to 1894 may qualify themselves for graduation in Law under the old regulations, which are given at pp. 227-229 in the *University Calendar* for 1900-1901 and in the *Calendars* for preceding sessions.

<sup>2</sup> See Section XI. of New Law Ordinance, p. 374. Mercantile Law has been approved.

present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

IV. Candidates must undergo examination in the subjects prescribed in Section II. hereof; and they must pass at one examination in at least two of those subjects. Before presenting themselves in any subject the candidates must have attended the requisite course of instruction in such subject. Candidates who have passed an examination for another degree in any of the said prescribed subjects in the same University may be exempted from examination in such subject or subjects, provided that the Examiners are satisfied that the previous examination in such subject or subjects has been passed on a sufficiently high standard.

V. Every candidate for the Degree of Bachelor of Laws shall be examined both orally and in writing on each of the subjects in the course of study above prescribed in which he presents himself for examination.

VI. (1) Distinction may be awarded to candidates who have displayed exceptional merit in their examinations.

(2) For the Degree of Bachelor of Laws a diploma shall be given, setting forth the subjects in which the candidate has passed, and the distinction (if any) he has attained.

VII. The Examiners shall be the Professors of or Lecturers on the subjects included in the said examinations, and additional Examiners appointed by the University Court. The mode of conducting the examination shall be fixed from time to time by the Senatus Academicus.

VIII. Every student who at the time when this ordinance shall come into operation shall have completed a part of his course with a view to graduation as Bachelor of Laws in any Scottish University, under regulations hitherto in force in that University, and shall thereafter complete his course of study in conformity with such regulations, may become a candidate for the Degree of Bachelor of Laws without complying with the provisions of this ordinance.

IX. Ordinance numbered 75 of the Commissioners under the Universities (Scotland) Act, 1858, is hereby repealed, in so far as it is inconsistent with this ordinance.

X. This ordinance shall come into force at the beginning of the first academical year after the date on which it is approved by Her Majesty in Council. [Approved on 28th May, 1894.]

#### Degree of B.L.

The following are the provisions of Ordinance No. 40, General No. 12, which, having been approved by Her Majesty in Council on 28th May, 1894, applies to all students who, after 30th September, 1894, began their course of study with a view to graduation in Law.<sup>1</sup>

I. No one shall be admitted to examination as a candidate for the Degree of Bachelor of Law (B.L.) unless he be a graduate in Arts of one of the Universities of the United Kingdom, or of any Foreign or Colonial University specially recognised for the purpose by the University Court; or until he shall have passed—

<sup>1</sup> But see Section X. of New Law Ordinance, p. 374.

A. The Preliminary Examination in the Faculty of Arts, or its equivalent, as specified in the Arts Ordinance (Regulations for Degrees in Arts); and

B. An Examination in one of the Scottish Universities, to be conducted by the Examiner in Arts, in the following subjects, on the standard of examination for the Ordinary Degree of Master of Arts:—

(1) Logic and Psychology; or, in the option of the candidate, Moral Philosophy.

(2) Latin.

(3) One additional Arts subject, not being one of those which belong also to the Faculty of Law.

And he must have studied at least one of these subjects in a full course in a Scottish University, or an equivalent course in another University approved by the University Court.

II. The course of study in Law necessary for the Degree of Bachelor of Law shall include the following subjects:—

1. Civil Law, during a course of not less than eighty lectures;<sup>1</sup> or a half course in Civil Law where in any University a full course is not available: Provided that in the latter case, candidates who are not already graduates in Arts shall be required to take in addition a course in such subject in Arts as may be sanctioned by the *Senatus Academicus*, or a half course in one or other of the following branches of Law:—

(a) Jurisprudence, General or Comparative.

(b) The Law of Nations, or Public International Law.

(c) Constitutional Law and History.

(d) International Private Law.

(e) Mercantile Law.

(f) Administrative Law.

2. Law of Scotland, during a course of not less than eighty lectures.

3. Conveyancing, during a course of not less than eighty lectures.

4. Forensic Medicine, during a course of not less than forty meetings of the class; or, in the option of the candidate, a half course in one of the branches of Law specified in Sub-section 1 of this section if not already taken.

III. (1) The course of study in Law necessary for the Degree of Bachelor of Law shall extend over two academical years.

(2) No candidate for a degree shall be deemed to have attended a class as part of the course of study necessary for that degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

(3) The candidate may prosecute his studies during the prescribed two years in one Scottish University, or in different Scottish Universities, or in a Scottish University and a University or School of Law specially recognised by the University Court; but one at least of these years must have been spent, and all the examinations in the subjects mentioned in the preceding section must have been passed at the University in which he intends to graduate.

<sup>1</sup> The remainder of this sub-section does not apply to the University of Glasgow which provides a full course in Civil Law.



IV. The candidate for the Degree of Bachelor of Law must undergo examination and pass in the four or more subjects selected by him; but he may present himself for examination in one subject or group of subjects at a time, provided that he has completed the course of study for such subject or group of subjects, and provided also that in that case a higher standard of proficiency shall be exacted.

V. Every candidate for the Degree of Bachelor of Law shall be examined, both orally and in writing, on each of the subjects in the course of study above prescribed, in which he presents himself for examination.

VI. (1) Distinction may be awarded to candidates who have displayed exceptional merit in their examinations.

(2) For the Degree of Bachelor of Law a diploma shall be given, setting forth the subjects in which the candidate has passed, and the distinction (if any) he has attained.

VII. The Examiners shall be the Professors of and Lecturers on the subjects included in the said examinations, and additional Examiners appointed by the University Court. The mode of conducting the examinations shall be fixed from time to time by the Senatus Academicus.

VIII. Every student who at the time when this ordinance shall come into operation shall have completed a part of his course with a view to graduation as a Bachelor of Law in any Scottish University under regulations hitherto in force in that University, and shall thereafter complete his course of study in conformity with such regulations, may become a candidate for the Degree of Bachelor of Law without complying with the provisions of this ordinance.

IX. Ordinance numbered 75 of the Commissioners under the Universities (Scotland) Act, 1858, is hereby repealed, in so far as it is inconsistent with this ordinance.

X. This ordinance shall come into force at the beginning of the first academical year after the date on which it is approved by Her Majesty in Council. [Approved on 28th May, 1894.]

### NEW LAW ORDINANCE.

University Court Ordinance No. XXXVII., General No. 2, which was approved by His Majesty in Council on 24th October, 1911, and came into operation on 23rd April, 1912, is as follows:

Whereas by Section 21 of the Universities (Scotland) Act, 1889, it is enacted that, after the expiration of the powers of the Commissioners under the said Act, the University Court of each University shall have power to make such Ordinances as they think fit, with the approval of His Majesty in Council, *inter alia* altering or revoking any of the Ordinances affecting such University which had been or might be framed and passed under the Universities (Scotland) Act, 1858, or the said recited Act itself, and making new Ordinances:

And whereas the powers conferred on the said Commissioners have expired:

And whereas the University Courts of the Universities of St. Andrews, Glasgow, Aberdeen, and Edinburgh have severally resolved that it is

expedient to alter the Regulations for the Degrees of Bachelor of Law (B.L.) and Bachelor of Laws (LL.B.) in the said Universities; and to amend Ordinance No. 39 [General, No. 11.—Regulations for the Degree of Bachelor of Laws (LL.B.)] of the said Commissioners, and to revoke Ordinance No. 40 [General, No. 12.—Regulations for the Degree of Bachelor of Law (B.L.)] of the said Commissioners, which Ordinances received the approval of Her late Majesty in Council on the 28th day of May 1894:

Therefore the said University Courts hereby statute and ordain as follows:—

I. Subject to the provision contained in Section II. hereof, each student before entering on his curriculum of study shall have passed—Latin being one of the subjects—

(a) The Preliminary Examination in the Faculty of Arts; and the conditions with respect thereto shall be applicable in all respects except as follows, viz., Latin shall be passed on the higher standard; or

(b) Such other Examination as the Joint Board of Examiners may from time to time accept as equivalent to the said Preliminary Examination in Arts in which Latin has been passed on the higher standard, provided always that the Joint Board of Examiners shall have power to require, as a condition of such acceptance, that the said Examination shall be passed on a higher standard than the ordinary pass standard thereof.

II. If a student, before passing the Preliminary Examination, has attended a class qualifying for graduation, the Senatus may, on special cause shown, permit him to count such class as qualifying for graduation, on condition of his passing the full Preliminary Examination within such time thereafter as the Senatus may appoint; and in every such case the Senatus shall make a report to the University Court setting forth the reasons for the relaxation.

III. A degree in Arts or Science or Economics (not being a degree *honoris causâ tantum*) in any of the Universities in the United Kingdom, or of any Colonial or Foreign University specially recognised for the purpose by the University Court after consultation with the Senatus, shall exempt from the Preliminary Examination.

IV. The curriculum of study in Law necessary for the degree of Bachelor of Law (B.L.), shall include the following subjects:—

1. Civil Law, during a course of not less than eighty lectures.
2. Law of Scotland, during a course of not less than eighty lectures.
3. Conveyancing, or Constitutional Law and (Constitutional) History, or Mercantile Law, during a course of not less than eighty lectures.
4. Jurisprudence, or Forensic Medicine, during a course of not less than forty lectures.
5. Constitutional Law and (Constitutional) History, or Mercantile Law, if not already taken, or Political Economy, during a course of not less than eighty lectures, or any two of the

following subjects, each during a course of not less than forty lectures: Jurisprudence, or Forensic Medicine, if not already taken, Public International Law, International Private Law, Evidence and Procedure, or such other subject included in the Department of History and Law or in the Faculty of Law as the Senatus, with the approval of the University Court, may from time to time determine.

V.—(1) The curriculum of study in Law necessary for the degree of Bachelor of Law (B.L.), shall extend over three academical years, and in each academical year a candidate shall attend at least one course of eighty lectures, or two courses of forty lectures each.

(2) No candidate for the degree shall be deemed to have attended a class as part of the course of study necessary for that degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

(3) The candidate may prosecute his studies during the prescribed three years in one Scottish University, or in different Scottish Universities, or in a Scottish University and a University or School of Law specially recognised by the University Court; but two at least of these years must have been spent, and all the examinations in the subjects mentioned in the preceding section must have been passed at the University in which he intends to graduate; provided also, that where in any University or School of Law attended by the candidate a full course of eighty lectures in Civil Law is not available, and the candidate shall have there attended a shorter course in Civil Law, then he shall be required to take, in addition to the five subjects prescribed in Section IV. hereof, a course of not less than forty lectures in an additional subject in the Department of History and Law or in the Faculty of Law.

VI. A candidate for the Degree of Bachelor of Law (B.L.) must undergo examination and pass in the whole subjects hereinbefore prescribed; and he may present himself for examination in all or any two of the subjects in which he has completed his course of study, and he must pass at one examination in at least two of these subjects, unless he shall previously have passed in all but one of the subjects hereinbefore prescribed, in which case he may present himself for examination and may pass in that one subject.

VII. Every candidate for the degree of Bachelor of Law (B.L.) shall be examined both orally and in writing on each of the subjects which he professes. The standard of examination in the subjects common to the degrees of Bachelor of Laws (LL.B.) and Bachelor of Law (B.L.) shall be the same.

VIII.—(1) Distinction may be awarded to candidates who have displayed exceptional merit in their examinations.

(2) For the degree of Bachelor of Law (B.L.) a diploma shall be given, setting forth the subjects in which the candidate has passed and the distinction (if any) he has attained.

IX. The Examiners shall be the Professors of and Lecturers on the

subjects included in the said examinations, and additional Examiners appointed by the University Court. The mode of conducting the examination shall be fixed from time to time by the *Senatus Academicus*.

X. Every student who, at the time when this Ordinance shall come into operation, shall have completed a part of his course with a view to graduation as a Bachelor of Law in any Scottish University under Regulations hitherto in force in that University, and shall thereafter complete his course of study in conformity with such Regulations, may become a candidate for the degree of Bachelor of Law, without complying with the provisions of this Ordinance; or he may complete his course of study and become a candidate for said degree in accordance with the provisions of this Ordinance: Provided always that in the latter case he shall not be deemed to be disqualified if he shall have passed the Preliminary Examination prescribed in Section I. hereof after entering on his curriculum of study.

XI. Section II. sub-section (7) of Ordinance No. 39—General No. 11—of the Universities Commissioners—prescribing regulations for the Degree of Bachelor of Laws (LL.B.)—shall be read as if the words “Evidence and Procedure” were inserted after the words “Administrative Law,” and as if at the end of the said sub-section there were added the words “or such other subject included in the Department of History and Law or in the Faculty of Law as the *Senatus*, with the approval of the University Court, may from time to time determine.”

XII. This Ordinance shall come into force at the beginning of the first academic year or first Summer Session, whichever be the earlier, after the date on which it is approved by His Majesty in Council; and, subject as aforesaid, the provisions of the Ordinance of the said Commissioners, No. 40 [General No. 12—Regulations for the Degree of Bachelor of Law (B.L.)] are hereby revoked.

[Approved, 24th October, 1911.]

### SUBJECTS OF EXAMINATION.

The examinations for LL.B. and B.L. in session 1916-17 will embrace the following books and subjects, viz. :—

*In Civil Law.*—Institutes of Justinian (Ed. Moyle or Sandars) and the Class Lectures; also Dig., Lib. XVIII., Tit. I.—translated and annotated by Mackintosh in his ‘Roman Law of Sale.’

*In the Law of Scotland.*—In addition to the Class Lectures, the books recommended are Bell’s Principles of the Law of Scotland, and Erskine’s Principles of the Law of Scotland. In Criminal Law, Macdonald’s Criminal Law and Erskine’s Principles, 21st edition.

*In Conveyancing.*—In addition to the Class Lectures, the books recommended are Duff’s Fendal Rights, with Supplement; Lectures on Conveyancing, by Menzies; Lectures on Conveyancing, by A. M. Bell; and Craigie’s Statutes.

*In Mercantile Law.*—In addition to the Class Lectures, the books recommended are Goudy on Bankruptcy ; Carver on Carriage by Sea ; Hamilton on Bills of Exchange ; Palmer's Company Law ; Bell's Principles, 10th edition, Books I. II. pt. 2, and V. ; Chalmers on Marine Insurance.

*In Jurisprudence, General or Comparative.*—Holland's Jurisprudence ; Maine's Ancient Law.

*In the Law of Nations, or Public International Law.*—In addition to the Class Lectures the books recommended are Hall's *International Law* (5th ed.), or F. E. Smith's *International Law*, 4th ed., by J. Wylie, and the texts of the Hague Convention and of the Declaration of London which will be found in the latter work or in Pearce Higgins' *The Hague Conferences and other International Documents*, or in Whittuck's *International Documents*. Candidates are expected to show a general acquaintance with the history of Modern Europe. The cases referred to in the lectures should be studied in the collections by Pitt Cobbett or Scott or Bentwich.

NOTE.—Candidates under the old regulations for LL.B. are required to sit also at the papers on Jurisprudence and International Private Law.

*In International Private Law.*—In addition to the Class Lectures and the Scots cases therein mentioned Rattigan's Private International Law. For reference Nelson's *Leading Cases*, Lorenzen's *Cases on Conflict of Laws*, Dicey's *Conflict of Laws* (2nd ed.), Westlake's *Private International Law* (5th ed.), and Duncan and Dykes' *Principles of Civil Jurisdiction*, will be found useful.

*In Constitutional Law and History.*—(1) The Outlines of English Constitutional History ; (2) Existing Constitutional Law. In addition to the Class Lectures the books recommended are—Taswell-Langmead's *English Constitutional History* ; Dicey's *Law of the Constitution*.

*In Forensic Medicine.*—Signs of Death with relation to Crime ; Proximate Causes of Death ; Medico-legal Forms of Death ; Identity ; Survivorship ; Wounds ; Blood-stains and their Detection ; Insurance ; Sexual Crimes :—Rape and Criminal Abortion ; Pregnancy in its Medico-legal aspects ; Infanticide and Concealment of Pregnancy ; Divorce in its Medico-legal relations ; Legitimacy and Paternity ; Evidence of Poisoning ; Alcoholism in its Medico-legal aspects ; Insanity.

*In Evidence and Procedure.*—In addition to the Class Lectures, Mackay's *Manual of Court of Session Practice* ; Lewis' *Sheriff Court Practice* ; Macdonald's *Criminal Law of Scotland* ; *The Parliament House Book*, Parts A. and B. ; Dickson on *Evidence*.

*In Political Economy and other Arts Subjects.*—The subjects of examination for the Degree of M.A.

TABLE OF EXAMINATIONS FOR DEGREES IN LAW TO BE HELD DURING SESSION 1916-17.

Fee. <sup>1</sup>	Names to be given in and Fees paid to the Registrar, The University. Date. <sup>2</sup>	Subjects of Examination.	DATES OF WRITTEN EXAMINATIONS AND HOURS AT WHICH THE DIFFERENT PAPERS WILL BE SET.	
			OCTOBER, 1916.	MARCH AND JUNE, 1917.
£1 is on entry for each subject, and balance, if any, before Graduation. Total Fees—LL.B., £6 6s.; B.L., £5 5s.	From 21st to 29th August, 1916, both days inclusive, or From 26th February to 2nd March, 1917, both days inclusive.	Political Economy, -	Tues., 3rd Oct., 2-5 p.m.	Mon., 11th June, 2-5 p.m.
		Constitutional Law, -	Mon., 2nd " 9-12 noon.	Sat., 24th March, 9-12 noon.
		Civil Law, -	" " 2-5 p.m.	" " 2-5 p.m.
		Scots Law, -	Wed., 4th " 9-12 noon.	Mon., 26th " 9-12 noon.
		Public Internat. Law, -	" " 2-5 p.m.	" " 2-5 p.m.
		Jurisprudence, -	Thurs., 5th " 9-12 noon.	Tues., 27th " 9-12 noon.
		Internat. Private Law, -	" " 2-5 p.m.	" " 2-5 p.m.
		Conveyancing, -	Fri., 6th " 9-12 noon.	Wed., 28th " 9-12 noon.
		Mercantile Law, -	" " 2-5 p.m.	" " 2-5 p.m.
		Forensic Medicine, -	Sat., 7th " 9-11 a.m.	Thurs., 29th " 9-11 a.m.
		Evidence and Procedure, -	" " 2-5 p.m.	" " 2-5 p.m.

For Dates of the Preliminary Examinations see p. 245.

<sup>1</sup> Under the old regulations the fee for LL.B. is £5 5s.; for B.L., £3 3s.<sup>2</sup> When names are not given in and fees are not paid within the stated dates, a late Entry Fee of Twenty Shillings must be paid before the candidate can be enrolled for examination. A candidate is not held to be enrolled for examination until his name is entered, the fee paid, and all the necessary certificates, etc., lodged. Late Entry Fees will not be accepted less than eight days before the date of Examination.

## 6.—GRADUATION IN DIVINITY.

## Degree of Bachelor of Divinity.

In Ordinance No. 63 the Universities Commission laid down the following regulations for this degree:—

I. No one shall be admitted to examination<sup>1</sup> as a candidate for the Degree of Bachelor of Divinity (B.D.) in any University unless he be (1) a graduate in Arts of that University, and have taken a complete Theological Course in a Scottish University or Universities, or in an institution or institutions specially recognised for the purpose of this ordinance by the University Court, or partly in a Scottish University or Universities and partly in such institution or institutions;<sup>2</sup> or (2) a graduate in Arts of any Scottish University or other University specially recognised as aforesaid, and have completed his Theological Course, of which not less than two years' attendance shall have been given in the University in which he presents himself for examination.

II. The examination shall in all cases be conducted at the seat of the University granting the degree, and the Examiners shall be the Professors of or Lecturers on the subjects included in the examinations, and two additional Examiners appointed by the University Court. The mode of conducting the examination shall be fixed from time to time by the Senatus Academicus.<sup>1</sup>

III. Every student who at the time when this ordinance shall come into operation shall have completed a part of his Theological Course with a view to graduation as Bachelor of Divinity in any Scottish University, under regulations hitherto in force in that University, and shall thereafter complete his course of study in conformity with such regulations, may become a candidate for the Degree of Bachelor of Divinity without complying with the provisions of this ordinance.

IV. The Degree of Bachelor of Divinity shall in no case be conferred on persons who have not complied with the conditions hereinbefore set forth, and shall not be conferred *honoris causâ tantum*.

This degree is conferred on such qualified candidates as have satisfied the Examiners of their proficiency in the following departments, viz. :—

I. Hebrew, New Testament Exegesis, and Apologetics.

II. Divinity, Church History, and Biblical Criticism.

The following regulations were adopted by the Senate on 21st March, 1907 :

1. Candidates who have completed the second year of their Theological studies, subsequent to the termination of their course in Arts, may be admitted to examination in the First Department.

<sup>1</sup> Ordinance No. 154 gives the Senatus Academicus power to admit candidates to examination in not more than three of the subjects, after the completion of the second session of attendance on their Theological course.

<sup>2</sup> The University Court has recognised *pro tanto* every Theological College in the United Kingdom having a distinct staff of teachers for the separate subjects, in so far as the Theological course is subsequent to the Arts course.

2. Candidates who (a) have passed their examination in the subjects comprised in the First Department, and (b) have completed their Theological Course, may be admitted to examination in the Second Department.

3. Candidates for the First Department shall be examined in the subjects prescribed for the academic year in which the examination takes place.<sup>1</sup>

4. Candidates for the Second Department shall be examined in Spring in the subjects prescribed for the academic year in which the examination takes place; or in Autumn in the subjects prescribed for the academic year immediately preceding.<sup>1</sup>

The scheme of examination will be as follows:

#### FIRST DEPARTMENT.

*In October, 1916, and March, 1917.*

- (a) *Hebrew*.—(1) Joshua, i.—xi.; (2) Jeremiah, xi.—xxii.; (3) Psalms, Books iii. and iv.; (4) Portions of unpointed Hebrew to be punctuated and translated; (5) Translations from English into Hebrew.

Books which may be consulted:

(1) and (2) The relative volumes in the Century Bible and the Polychrome Bible; A. W. Streane's *Double Text of Jeremiah*; S. R. Driver's *Book of the Prophet Jeremiah*; (3) Commentaries by Briggs, Delitzsch, Perowne, Kirkpatrick (Cambridge Bible), and Cheyne; the Polychrome Bible; Driver's *Parallel Psalter*; F. W. Mozley's *Psalter of the Church* (for the LXX. text); (4) and (5) Müller's or Davidson's *Hebrew Syntax*; Robertson's *Hebrew Exercises*.

- (b) *New Testament Exegesis*.—(1) Contents and Exegesis of the Gospel according to S. John; (2) Introduction to, and Exegesis of, the Epistles to the Galatians and the Ephesians; (3) Questions in Language and Grammar with Translations from English into Greek.

Books which may be consulted:

Westcott and Milligan and Moulton, *The Gospel according to S. John*; Lightfoot, *The Epistle to the Galatians*, and Lukyn Williams, *Galatians* (in the Cambridge Greek Testament); J. A. Robinson or B. F. Westcott on *The Epistle to the Ephesians*; J. H. Moulton, *Prolegomena to a Grammar of N. T. Greek*, Nunn, *The Elements of New Testament Greek*, and *A Syntax of New Testament Greek*.

<sup>1</sup>The academic year begins on 1st October.



- (c) *Apologetics*.—(1) Philosophy of Religion, including (a) the Psychology of Religion; (b) the History of Religions; (c) Natural Theology.

(2) Christian Apologetics, including (a) History of Christian Apologetics; (b) Apologetic of Miracle.

Books which may be consulted :

Under section (1): Galloway's *Philosophy of Religion*; Leuba's *Psychological Study of Religion*; Menzies' *History of Religion*, 4th ed.; Flint's *Theism and Antitheistic Theories*; Newman Smyth's *Constructive Natural Theology*; Thomson (J. Arthur), *The Bible of Nature*.

Under section (2): Bruce's *Apologetics*; Garvie's *Handbook of Christian Apologetics*; Schultz's *Outlines of Christian Apologetics*. On History of Christian Apologetics: A. S. Farrar's *Critical History of Free Thought in relation to the Christian Religion* (Bampton Lecture, 1862.) On Miracle: Davies' *Miracles of Jesus*; Orr's *Virgin Birth of Christ and Resurrection of Jesus*; Row's Bampton Lecture (1877) on *Christian Evidence and Modern Thought*.

*In October, 1917, and March, 1918.*

- (a) *Hebrew*.—(1) Deuteronomy, i.—xii.; (2) Jeremiah, xxii.—xxxii.; (3) Psalms, Books iii. and iv.; (4) Portions of unpointed Hebrew to be punctuated and translated; (5) Translations from English into Hebrew.

Books which may be consulted :

(1) and (2) The relative volumes in the I.C.C., Century Bible and Polychrome Bible; A. W. Streane's *Double Text of Jeremiah*; S. R. Driver's *Book of the Prophet Jeremiah*; (3) Commentaries by Briggs, Delitzsch, Perowne, Kirkpatrick (Cambridge Bible), and Cheyne; the Polychrome Bible; Driver's *Parallel Psalter*; F. W. Mozley's *Psalter of the Church* (for the LXX. text); (4) and (5) Müller's or Davidson's *Hebrew Syntax*; Robertson's *Hebrew Exercises*.

- (b) *New Testament Exegesis*.—(1) Contents and Exegesis of the Gospel of St. Matthew; (2) Contents and Exegesis of the Epistle of St. James and the First Epistle of St. Peter; (3) Questions in Language and Grammar with Translations from English into Greek.

Books which may be consulted :

(1) A. H. McNeile, *The Gospel According to St. Matthew*; A. Carr, *St. Matthew in Cambridge Greek Testament*; (2) Commentaries on the *Epistle of St. James*, by F. J. A. Hort, J. B. Mayor, and R. J. Knowling, and on the

*First Epistle of St. Peter*, by F. J. A. Hort and C. Bigg ; (3) J. H. Moulton, *Prolegomena to a Grammar of New Testament Greek*, and H. P. V. Munn, *The Elements of New Testament Greek*, and *A Syntax of New Testament Greek*.

- (c) *Apologetics*.—(1) Philosophy of Religion, including (a) the Psychology of Religion ; (b) The History of Religions ; (c) Natural Theology.

(2) Christian Apologetics, including (a) History of Christian Apologetics ; (b) Apologetic of Miracle.

Books which may be consulted :

Under section (1) : Galloway's *Philosophy of Religion* ; Leuba's *Psychological Study of Religion* ; Menzies' *History of Religion*, 4th ed. ; Flint's *Theism and Antitheistic Theories* ; Newman Smyth's *Constructive Natural Theology* ; Thomson (J. Arthur), *The Bible of Nature*.

Under section (2) : Bruce's *Apologetics* ; Garvie's *Hand-book of Christian Apologetics* ; Schultz's *Outlines of Christian Apologetics*. On History of Christian Apologetics : A. S. Farrar's *Critical History of Free Thought in relation to the Christian Religion* (Bampton Lecture, 1862). On Miracle : Davies' *Miracles of Jesus* ; Orr's *Virgin Birth of Christ and Resurrection of Jesus* ; Row's Bampton Lecture (1877) on *Christian Evidence and Modern Thought*.

## SECOND DEPARTMENT.

*In March and October, 1917.*

- (a) *Divinity*.—(1) Doctrine of the Person of Christ ; (2) Doctrine of the Atonement ; (3) The Theology of Ritschl.

Books which may be consulted :

(1) Ottley, *Doctrine of the Incarnation* ; Mackintosh, *Person of Christ* ; Gore's *Dissertations* ; Weston, *The One Christ*.

(2) Macleod Campbell, *Nature of the Atonement* ; Dale, *The Atonement* ; Denney, *Death of Christ* ; Hitchcock, *The Atonement and Modern Thought*.

(3) Ritschl, *Justification and Reconciliation* ; Garvie, *The Ritschlian Theology* ; Edghill, *Faith and Fact: a Study of Ritschlianism*.

- (b) *Church History*.—Ecclesiastical History of Europe, from the Restoration of Charles II. to the death of Louis XIV.

*France.*—Louis XIV. (1638-1715), Queen Maria Theresa ; Louise de la Vallière ; Madame de Montespan ; Madame de Maintenon. Le Tellier ; Colbert ; Louvois ; Turenne, Condé, Villars, Duc de Berwick ; Conquests ; war with Holland ; war with the Grand Alliance ; war of the Spanish Succession ; the Camisards ; the French Church—the Gallican Liberties, the Régale, the Jansenists, Port-Royal, the French Benedictines, the Quietists ; Bossuet, Noailles, Fénelon, Bourdaloue, Massillon, Fleury, Tillemont, de Rancé, Pascal, Arnould, Quesnel, St. Cyran, Courayer, Renaudot, Ruinart. Madame Guyon, Madame Bourignon. Missions étrangères. Labadie. The French Protestants, the Revocation of the Edict of Nantes, the Dragonnades. Basnage. Malebranche ; Corneille, Racine, Molière, La Fontaine, Boileau ; Le Sage, Madame de Sévigné, Saint Simon, Vauban.

*Germany.*—Emperors, Leopold I., Joseph I., Charles VI., Charles VII. ; Electors of Brandenburg, Frederick ("the Great Elector"), Frederick I. (in 1701 King of Prussia), Frederick William I., Queen Sophia Charlotte ; Electors of Saxony, John George II., John George III., John George IV., Frederick Augustus I. ; Electors of Bavaria, Ferdinand Maria, Maximilian Emanuel ; Electors of Hanover (1692), Ernest Augustus (his wife, the Electress Sophia), George Lewis (1714 George I. of Great Britain) ; William VI., Landgrave of Hesse-Cassel ; Ernest the Pious, Duke of Saxe-Coburg-Gotha. Lorraine ceded to France ; wars with France, and with the Turks, who besiege Vienna ; Treaties of Nimengen, Ryswick, Carlowitz, and Utrecht ; Conspiracy in Hungary ; the Pragmatic Sanction ; Prince Eugene ; Marshal Daun. Converts to Romanism. Efforts at Church Union ; Leibnitz ; Conference at Cassel ; Syncretist Controversy, Calovius, Strauchius, *Consensus Repetitus*, sons of Calixtus ; Jablonski ; the Pietists—Spener, Arndt, Francke, Schæde.

*The Spanish Netherlands.*—Conquered by the French, 1667 ; again overrun, 1672 ; Marlborough's wars, 1706 ; assured to Austria, 1714. Papebroche and the Bollandists.

*Holland.*—Changes in the Constitution—John de Witt, Grand Pensionary ; William III., Stadtholder (King of Great Britain, 1688) ; Van Ruyter, Van Tromp. Heinsius. Spinoza. Vitringa ; Le Clerc ; Roel ; F. Burmann, Becker ; Verschorists and Hattemists. Rembrandt, Franz Hals, Cuyp, Ruysdael.

*Spain.*—Philip IV., Charles II., Philip V. War with France. Treaties to partition the Spanish Monarchy. End of the Spanish Hapsburgs, Accession of the House of Bourbon.

*Portugal*.—Alfonso VI. ; Pedro, Regent, becomes King, 1683 ; John V. English help. The Methuen Treaty, 1703.

*Savoy*.—Charles Emmanuel II., Victor-Amadeus II., Prince Eugene. Persecution of the Vaudois ; wars ; acquisition and loss of Sicily.

*Naples*.—Philip III., Charles II., Philip IV., Charles III. ; claimed by Emperor Leopold, 1701 ; conquered by Joseph II., 1708 ; assured to Charles VI., 1714.

*Switzerland*.—The Confederation acknowledged an independent state. Third religious war, Peace of Aargau. The *Formula Consensus*. Heidegger, Louis Tronchin, Jean Alphonse Turretin, Subscription to *Formula Consensus* abolished.

*Denmark and Norway*.—Frederick III., Christian V., Frederick IV., Christian VI. The Crown made hereditary and absolute ; Bishop Hans Svane ; Griffenfeld. Lutheranism supreme ; Pietism.

*Sweden*.—Charles X., Charles XI., Charles XII. ; the ex-Queen, Christina (1626-1689). The Triple Alliance. Treaty of Lund. The King absolute. The Great Northern War, Narva, Pultowa.

*Poland*.—John II., Casimir ; Interregnum ; Michael ; John Sobieski ; Frederick Augustus I. ; Stanislaus I. ; Frederick Augustus again. Independence recovered ; Sobieski's victories over the Turk. Socinians banished.

*Russia*.—Alexis ; Feodor II. ; Ivan V. ; Peter I. (the Great). The Patriarch Nikon ; the Rascholniks. Peter the Great's Reforms.

*Turkey*.—Mohammed IV., Achmet II., Mustapha II., Achmet III. Kuprili. Candia taken from Venice. Wars with Russia, Poland, and Austria. The Janissaries. Charles XII. taken prisoner at Benda. Reconquest of the Morea.

*The Papacy*.—Alexander VII., Clement IX., Clement X., Innocent XI., Alexander VIII., Innocent XII., Clement XI. The Jesuits. Foreign Missions.

*England*.—Charles II., James II., William III. and Mary II., Anne, George I. Prince James Edward. Restoration of Church and King. The Savoy Conference. The Act of Uniformity, "the Black Bartholomew," Conventicle Act, Five Mile Act. The Plague, the Fire of London ; the Test Act, "the Popish Plot" ; the Ryehouse Plot. Declaration of Indulgence ; Trial of the Seven Bishops ; the Revolution ; the Comprehension Bill ; the Toleration Act. Foreign Wars and the National Debt.

Occasional Conformity and Schism Acts. Blenheim; the Peace of Utrecht. The House of Hanover. Clarendon; the Cabal; Sir Matthew Hale; Judge Jeffries; Sunderland, Godolphin, Harley, Bolingbroke. Marlborough, Peterborough.

Archbishops Juxon, Sheldon, Sancroft, Tillotson, Tenison; Bishops Cosin, Wren, Sanderson, Reynolds, Walton, Pearson, Ken, Patrick, Compton, Stillingfleet, Beveridge, Burnet, Bull, Atterbury; South, Barrow, Whiston; Evelyn, Robert Nelson, Lady Rachel Russell; the Cambridge Platonists. The Nonjurors; the Nonconformists, Presbyterians, Independents, Baptists. Baxter, Owen, John Bunyan. The Quakers, Robert Barclay, Penn. Arianism. The Unitarians, the Rationalists, the Deists. The Royal Society; Chelsea Hospital; Greenwich Hospital. The Society for Promoting Christian Knowledge; Queen Anne's Bounty. Hobbes, Cudworth, Shaftesbury, Locke, Newton, Bentley; Milton, Waller, Samuel Butler; Pepys; Dryden, Pope, Prior, Arbuthnot, Addison, Steele; Sir Christopher Wren, Sir Peter Lely, Sir Godfrey Kneller.

*Scotland.*—Charles II., James VII., William III. and Mary II., Anne, George I. The Restoration. Executions. The Act Rescissory. Restoration of Episcopacy. The Pentland Rising; First Indulgence, Murder of Archbishop Sharp; Drumclog; Bothwell Bridge; Sanquhar Declaration; the Test; Earl of Argyle's Invasion, Letters of Indulgence, Renwick; the Revolution; Killiecrankie. Presbyterianism re-established; Glencoe; Education Act; Darien Expedition; Act of Security; Union of the Parliaments; Patronage Restored. The '15. Middleton, Rothes, Lauderdale; Dalziel; Sir George Mackenzie, Claverhouse; Earl of Aberdeen; Queensberry, Roxburgh, Seafield, Stair, Crawford.

Archbishops Sharp and Leighton; Bishops Sydserv, Wishart, Mitchell, Scougal, and Ramsay. Henry Scougal. The Presbyterians. Robert Douglas, Blackadder, Richard Cameron; Carstairs, Dunlop, Anderson of Dumbarton, Wodrow, William Jamieson, William Forbes. The Reformed Presbyterians; the Macmillanites. The Episcopalians; Bishops Sage, Cant, Campbell, and Gadderar; Alexander Lunan, Calder. Dr. Pitcairn, Dr. Ruddiman, Allan Ramsay, Fletcher of Saltoun.

*Ireland.*—The Restoration; Act of Settlement; English Laws against Irish trade; Duke of Ormonde; Earl of Tyrconnell; James II. in Ireland; holds Parliament at Dublin; Battle of the Boyne; the Penal Laws.

TABLE OF EXAMINATIONS FOR THE DECREE OF B.D. TO BE HELD DURING  
SESSION 1916-17.

Fees.	Names to be given in and Fees paid to the Registrar, The University. Date. <sup>1</sup>	Dates of Written Examinations and Hours at which the different Papers will be set.			
			FIRST DEPARTMENT.		SECOND DEPARTMENT.
The Fee for each Department is £2 12s. 6d.	{ From 25th Sept. to 2nd Oct., 1916, both days inclusive	Wed., 11th Oct., 1916.	Hebrew, - - - -	-	Divinity, - - 9-12 noon.
		"	Hebrew, - - - -	-	Biblical Introduction, 2-5 p.m.
		Thurs., 12th Oct., 1916.	Apologetics, - - -	-	Church History, - 9-12 noon.
		"	New Testament Exegesis, -	-	Textual Criticism, 2- 5 p.m.
	{ From 26th Feb. to 2nd Mar., 1917, both days inclusive	Wed., 28th Mar., 1917.	Hebrew, - - - -	-	Divinity, - - 9-12 noon.
		"	Hebrew, - - - -	-	Biblical Introduction, 2-5 p.m.
		Thurs., 29th Mar., 1917.	Apologetics, - - -	-	Church History, - 9-12 noon.
		"	New Testament Exegesis, -	-	Textual Criticism, 2- 5 p.m.

<sup>1</sup> Forms of application for examination may be obtained at the Registrar's Office. In entering for the Second Department candidates from other schools must produce, in addition to class certificates, evidence that they have completed, or are about to complete, their Theological Course.

Archbishops Bramhall, Marsh, King; Bishops Jeremy Taylor and Sheridan; Dean Swift. The Presbyterians of Dublin and the North. The Irish Roman Catholics.

Books which should be consulted :—

Moeller, Mosheim, Kurtz, Neander; Lodge, *The Students' Modern Europe*; Cambridge *Modern History*, Vol. V.; Grant, *The French Monarchy*, Vol. II.; Schaff's *Creeeds and Confessions*; Ranke, *History of the Popes*; Jervis, *History of the Church in France*; Greisenger, *History of the Jesuits*; *Monumenta Hist. Soc. Jesu*; Stephens, *Essays in Ecclesiastical Biography*; Voltaire, *Siccle du Louis Quatorze*; *Lives of Peter the Great and Charles XII.*; Mouravieff, *History of the Russian Church*; Stanley, *Eastern Church*; Bain, *Christina, Queen of Sweden*. For books dealing with the period in England and Scotland see under "Class of Church History."

- (c) *Biblical Criticism*.—(1) Canon and Text of the New Testament; (2) General Introduction to the Four Gospels and the Book of Acts; (3) Introduction to Amos, Hosea, and Micah, and to the Book of Psalms.

Books which may be consulted :—

- (1) Gregory, *Canon and Text of the New Testament*; Lake, *The Text of the New Testament*; Nestle, *Textual Criticism of the New Testament*; Kenyon, *Handbook to the Textual Criticism of the New Testament*; Milligan, *New Testament Documents*; (2) Moffatt, *Introduction to the Literature of the New Testament*; Peake, *A Critical Introduction to the New Testament*; (3) Driver's *Introduction*; the relative articles in the *Encyclopedia Biblica* and Hastings' *Dictionary of the Bible*; Cheyne's *Origin and Contents of the Psalter*; Jas. Robertson's *Religion and Poetry of the Psalms*; G. A. Smith's *Twelve Prophets*; A. C. Welch, *Religion of Israel*.

In March and October, 1918.

- (a) *Divinity*.—(1) Doctrine of the Church and Sacraments; (2) Doctrine of the Last Things (Eschatology); (3) The Pauline Theology.

Books which may be consulted :

- (1) Allen, *Christian Institutions*; Swete, *The Holy Catholic Church*; Adamson, *Christian Doctrine of the Lord's Supper*; (2) Fairweather, *Background of the Gospels*; Agar Beet, *The Last Things*; Adams Brown, *The Christian Hope*; Salmond, *Christian Hope of Immortality*; (3) Stevens, *Pauline Theology*; Du Bose, *Gospel according to St. Paul*.

- (b) *Church History*.—Ecclesiastical History, from the breaking out of the Thirty Years' War (1619) to the Restoration of King Charles II. (1660).

Books which should be consulted :

Moeller, Mosheim, Kurtz, Neander ; Lodge, *The Students' Modern Europe* ; Cambridge *Modern History*, Vols. IV. and V. ; Schaff's *Creeds and Confessions* ; Ranke, *History of the Popes* ; Jervis, *History of the Church in France* ; Greisenger, *History of the Jesuits* ; Monumenta Hist. Soc. Jesu ; Stephens, *Essays in Ecclesiastical Biography* ; Mouravieff, *History of the Russian Church* ; Chapman, *History of the Thirty Years' War* ; S. R. Gardner, *Thirty Years' War* ; Rait, *Stuart Princesses* ; Bain, *Christina, Queen of Sweden* ; Watson, *Reign of Philip III.* ; De Retz, *Memoirs* ; Wordsworth, *The Church of Sweden*. For books dealing with the period in England and Scotland see under "Class of Church History."

- (c) *Biblical Criticism*.—(1) Canon and Text of the New Testament ; (2) General Introduction to the Pauline Epistles (excluding the Pastorals) and to the Epistle to the Hebrews ; (3) Introduction to Judges and Jeremiah.

#### 7.—HONORARY DEGREES.

The powers of the Senatus Academicus to grant Honorary Degrees are regulated by Ordinance No. 41 of the Universities Commission (1889) of date 13th December, 1893, which received the approval of Her Majesty in Council on 28th May, 1894.

#### Degree of Doctor of Divinity.

The following are the regulations for the Degree of D.D. :—

I. At the commencement of every session, the Senatus Academicus in each University shall appoint a committee, to be called the Committee on the Degree of Doctor of Divinity, consisting of the Principal, three Professors from the Faculty of Theology (of whom the Professor of Divinity shall be one), and three other Professors to be selected by the Senatus Academicus from the other Faculties.

II. It shall be the duty of this committee to select persons to be recommended to the Senatus Academicus for the degree ; but the committee shall not entertain applications from or on behalf of persons desirous of receiving the degree.



III. The committee shall present a reasoned report, embodying its recommendations to the Senatus.

IV. In the case of every person recommended for the degree, the report shall contain a statement of the grounds on which the recommendation is founded, specifying such particulars as the Senatus may from time to time require.

Under this regulation the Senate requires the following particulars to be specified, viz.:—

- (a) Whether he is an alumnus of this University, and whether he already holds the Degree of B.D., or any other University Degree.
- (b) Whether he has published a contribution of merit to Theological Literature.
- (c) Whether his character and professional standing are such as to warrant the conferring of the proposed distinction.

V. No resolution to confer the Degree of Doctor of Divinity shall be moved in the Senatus except upon special notice given after a fortnight has elapsed from the date when the report of the committee shall have been presented.

#### Degree of Doctor of Laws.

The following are the regulations for the Degree of LL.D.:—

I. At the commencement of every session, the Senatus Academicus in each University shall appoint a committee, to be called the Committee on the Degree of Doctor of Laws, consisting of the Principal and such Professors selected from the various Faculties as the Senatus Academicus may determine, provided that the total number of the committee shall not exceed twelve.

II. It shall be the duty of this committee to select persons to be recommended to the Senatus for the degree, but the committee shall not entertain applications from or on behalf of persons desirous of receiving the degree.

III. The committee shall present to the Senatus a reasoned report embodying its recommendations.

IV. In the case of every person recommended for the degree, the report shall contain a statement of the grounds on which the recommendation is founded, specifying such particulars as the Senatus may from time to time require.

Under this regulation the Senate requires the following particulars to be specified, viz.:—

- (a) Whether he is an alumnus of this or any other University, and whether he already holds any academical degree.
- (b) Whether he is the author of any work of acknowledged merit, or has otherwise contributed to the progress of learning and science.
- (c) And, in general, whether his character, profession, and position in society are such as to warrant the conferring of the proposed distinction.

V. No resolution to confer the Degree of Doctor of Laws shall be moved in the Senatus except upon special notice given after a fortnight has elapsed from the date when the report of the committee shall have been presented.

## ACADEMIC DRESS.

## GRADUATES OF THE UNIVERSITY.

On ceremonial occasions the graduates are expected to appear in the Gown and Hood proper to their degrees.

The ordinary Gowns to be worn by graduates of the University of Glasgow are of black silk or stuff, of similar shape to those appropriated to the corresponding degrees in the other British Universities.<sup>1</sup>

The full-dress Gowns to be worn by Doctors are of scarlet cloth, faced in each case with silk of the colour prescribed for the lining of the Hood proper to the degree.

The Hoods for the different degrees are as follows :—

B.A., Black Silk, bordered inside with Red Purple Silk (colour of Bell Heather—*Erica Cinerea*).

M.A., Black Silk, lined with Red Purple Silk.

D.Phil., Scarlet Cloth, lined with reddish Purple Silk.

D.Litt., Scarlet Cloth, lined with bluish Purple Silk.

B.Sc., Black Silk, bordered with Scarlet Cloth and lined with Gold Coloured Silk (colour of Whin Blossom—*Ulex Europæa*).

D.Sc., Scarlet Cloth, lined with Gold Coloured Silk.

B.L., Black Silk, with an inside border of Venetian Red Silk (colour of Clove Carnations).

LL.B., Black Silk, bordered with Scarlet Cloth and lined with Venetian Red Silk.

LL.D., Scarlet Cloth, lined with Venetian Red Silk.

M.B. and C.M., Black Silk, bordered with Scarlet Cloth and lined with Scarlet Silk.

M.B. and Ch.B., Black Silk, bordered with Scarlet Cloth and lined with Scarlet Silk.

M.D., Scarlet Cloth, lined with Scarlet Silk.

Ch.M., Black Silk, lined with Scarlet Silk.

B.D., Black Silk, bordered with Scarlet Cloth and lined with a light Cherry Silk.

D.D., Scarlet Cloth, lined with White Silk.

## UNDER-GRADUATES.

By a Statute of the Commissioners appointed by the Act, 1690, chapter XVII., of the Parliament of Scotland, "for the Visitation of Universities and Schools," it was enacted that "all the students in the several Universities and Colleges within this kingdom be obliged to wear gowns during the time of the sitting of the Colleges," and that "the Regents or Masters be obliged to wear black gowns, and the students red gowns; and, in regard that wearing of gowns has never been the custom in the College of Edinburgh, the Commis-

<sup>1</sup> The Robemakers to the University have standard patterns of the gowns, which, it may be stated for the information of those at a distance, are of the same shape with the ordinary (or undress) gowns of the corresponding degrees at Cambridge.

sioners do therefore recommend to the Masters of that College to endeavour to bring the custom of wearing gowns there into practice." It appears from the University records that the wearing of red gowns had been previously the practice in Glasgow, and it continued to be the practice in all the Arts classes which existed at the date of this statute uninterruptedly till recently.

The General Council of this University having requested the University Court to recommend to the Senate the propriety of requiring the students to conform to the ancient practice of this University as to academic dress ; and the University Court having remitted the subject to the determination of the Senate, with an expression of regret that the academical dress formerly worn by the Arts students has of late years been laid aside, the Senate has given notice that the proper academic dress for students in Arts is the red gown.

While this notice does not apply to students not in the Faculty of Arts, all students in the University are entitled to wear the red gown. Students may wear on the red gown a trimming distinctive of their faculty. The trimming approved for this purpose is a narrow silk band of the colour of the hood-lining proper to the degree of Bachelor in the Faculty, placed over the seam which crosses the breast of the gown on each side.

At the request of the Students' Representative Council the Senate, on 13th July, 1909, gave notice that all undergraduate students are entitled to wear the red gown and trencher cap. The red gown may be either plain, or distinguished by the ribbon characteristic of the Student's Faculty. Cap and gown should be worn on all official and ceremonial occasions.

At special ceremonies, when the announcement is made that "members of the University will wear academic dress," the undergraduates present should wear their red gowns.

#### CEREMONY OF GRADUATION.

The following are the regulations adopted by the Senate :—

All degrees honorary or gained by examination shall be publicly conferred, except in special cases to be decided by the Senate.

Candidates for graduation are required to appear in black gowns with the hoods appropriate to their degrees ; those who are already graduates, in the costume proper to their previous degree.

At graduation ceremonies members of the Senate who are Doctors should wear the hood of their degree over either the ordinary or the full-dress gown.

## X.—BURSARIES, SCHOLARSHIPS, Etc., PRIZES.

N.B.—No alumnus of the University is allowed to hold at one time more than one Bursary, Scholarship, or Fellowship, except in cases provided for by the Regulations.

In the case of Bursaries in the gift of the Senate, in appointing to which "a preference" is to be given to certain names, etc., by a "preference" the Senate understand, in almost every instance, a preference *cæteris paribus*.

The following ordinance issued on 11th June, 1908, by the University Court with regard to Bursaries, Scholarships, and Fellowships, which have taken effect prior to the 30th day of August, 1864, was approved by His Majesty in Council on 26th September, 1908 :—

UNIVERSITY COURT ORDINANCE NO. XXVII. (GLASGOW, No. 8.—REGULATIONS AS TO BURSARIES, SCHOLARSHIPS, AND FELLOWSHIPS).

### GENERAL.

I. For the purposes of this ordinance, bursaries in the Faculty of Arts (hereinafter referred to as bursaries in Arts) shall be deemed to be the bursaries now attached to the said Faculty by Deed of Foundation or by custom.

II. Bursaries in Arts heretofore tenable for four years shall continue to be so tenable, provided that, if the holders graduate after the three years' course, they shall only retain their bursaries during the fourth year of tenure if they shall engage in a course of study approved by the Senatus Academicus in subjects included in the curriculum for Degrees in Arts or in Pure Science.

III. All bursars in Arts, subject to the provision as to the fourth year of tenure contained in the immediately preceding section, shall attend in each year at least two classes qualifying for graduation in Arts, and shall duly perform the work of these classes: Provided that it shall be in the power of the Senatus Academicus, with the approval of the University Court, to permit such bursars as they shall from time to time select to attend classes qualifying for graduation in Pure Science in place of classes qualifying for graduation in Arts.

IV. It shall be in the power of the Senatus Academicus to suspend or deprive a bursar, scholar, or fellow on the ground of misconduct, or, if it think fit, on the ground of his failure to obtain class certificates or to produce such other evidence as may be required that he is prosecuting his studies in a manner satisfactory to the Senatus Academicus.

V. Bursaries in Divinity heretofore tenable for four years shall continue to be so tenable, provided that, if the holders graduate after the three years' course, they shall only retain their bursaries during the fourth year of tenure if they shall engage in a course of study in Divinity approved by the Senatus Academicus.

VI. In the case of a bursary, scholarship or fellowship not in the gift of a patron becoming vacant by forfeiture or otherwise before the expiry of the period of tenure, it shall be in the power of the *Senatus Academicus*, with the approval of the University Court, to determine as to the disposal thereof or of the income thereof during the remainder of the said period.

VII. Any bursary tenable in several Faculties successively shall not be attached to any one of such Faculties in any year other than a year in which in ordinary rotation it would have been attached to such Faculty.

VIII. It shall be in the power of the *Senatus Academicus* to require, as a condition of tenure, any holder of a scholarship or fellowship who is a graduate to engage in teaching within the University or to conduct tutorial classes, unless he shall satisfy the *Senatus Academicus* that he is pursuing special higher studies, or that he is engaged in original research.

IX. Each Examiner at examinations held by the University for the award of bursaries, scholarships, or fellowships shall receive suitable remuneration, and it shall be in the power of the University Court to charge the funds of bursaries, scholarships, or fellowships with the necessary expenses of examination.

#### OPEN BURSARIES.

X. (1) The subjects and methods of the examinations for the award of open bursaries in Arts of the first year (hereinafter referred to as the Bursary Examinations) shall be prescribed by the *Senatus Academicus*, with the approval of the University Court, and the examinations shall be held at such times and places as the *Senatus Academicus*, with the approval of the University Court, may determine.

(2) No candidate shall obtain a bursary in Arts who shall not have passed the Preliminary Examination in Arts or have been exempted therefrom in accordance with the provisions of the Regulations for Degrees in Arts.

XI. It shall be competent for the *Senatus Academicus*, with the approval of the University Court, from time to time to make regulations as to the conditions under which persons shall be eligible to compete for bursaries of the first year in the Faculties of Arts and Science: Provided always that no student, who has during any term or period of the academical year attended any class qualifying for graduation in the said Faculties in any Scottish University, shall be eligible to compete for such bursaries.

The University Court shall communicate to the General Council the regulations made from time to time by the *Senatus Academicus*, and any representation made thereon by the General Council within two months of the date of such communication shall be taken into consideration by the University Court before such regulations are approved.

XII. The *Senatus Academicus*, in determining the results of the Examinations for the award of bursaries in Arts of the first year, may

award such bursaries in respect of exceptional distinction in any one branch of study.

XIII. Bursaries open for competition to students entering on their first session of attendance in the Faculty of Medicine shall be tenable only by those students who have passed the Preliminary Examination in Medicine, or who have been exempted therefrom in accordance with the provisions of the Regulations for Degrees in Medicine, and who have not attended any class qualifying for graduation in Medicine: Provided always that the last-mentioned condition shall not be held to exclude a candidate who may have attended the class of Physics, Chemistry, Botany, or Zoology, otherwise than as part of a graduation course in Medicine.

#### RESTRICTED AND PREFERENTIAL BURSARIES.

XIV. Candidates for bursaries in Arts which are not awarded by open competition shall present themselves for examination at one of the Bursary Examinations above mentioned, and no bursary shall be awarded to any candidate who shall not have passed the Preliminary Examination in Arts or been exempted therefrom in accordance with the provisions of the Regulations for Degrees in Arts.

XV. In the case of a bursary, scholarship, or fellowship in the gift of a patron, including bodies corporate and not corporate, becoming vacant by forfeiture or otherwise during the period of tenure, the Senatus Academicus shall forthwith give notice of the vacancy to the patron, who may, within such time as the Senatus shall fix, appoint to the vacant bursary a person who is qualified by having passed or obtained exemption from the Preliminary Examination in Arts; and if the patron fail to do so within such time, the Senatus Academicus may select a deserving student, who is so qualified, to fill the vacancy until the commencement of the next academical year, when the patron's right to present shall revive.

XVI. On the occurrence of a vacancy in any bursary in the gift of a patron, including bodies corporate and not corporate, at the expiry of the period of tenure, the Senatus Academicus shall give notice of such vacancy to the patron of the bursary and of the date of the Bursary Examination next ensuing; and the patron may, if he think fit, submit to the Senatus the names of two or more persons qualified to hold such bursary, who shall present themselves for examination at the said Bursary Examination; the result of the examination shall be communicated by the Senatus to the patron for his information, and he shall thereafter present to the bursary.

XVII. In the case of a bursary in the gift of a patron, including bodies corporate and not corporate, if before the commencement of the academical year no person be presented who shall have become qualified to hold the bursary by the date at which open bursaries are awarded, the bursary shall be open to unrestricted competition for that year; and in the event of no person who shall have become qualified as above provided being presented before the commencement of the next academical year, the Senatus may either award the bursary as if it

were open to unrestricted competition, or continue the same to the student to whom it had previously been awarded: Provided that this section shall not apply in cases where the patron shall before such award is made satisfy the Senatus Academicus that proper arrangements have been made for the selection of a qualified bursar.

#### MISCELLANEOUS.

XVIII. In the case of bursaries designed for poor students, the Senatus Academicus shall satisfy itself that the circumstances of candidates are such as to entitle them to the benefit of the endowment, and for this purpose the Senatus may require that a declaration be made by a parent or guardian, or by the minister of religion or school-master, of each candidate as the Senatus shall think fit.

XIX. [Preferences and restrictions cancelled. These have been noted under each bursary concerned.]

XX. Nothing herein contained shall apply to any bursary or endowment granted by any incorporation or society whose funds, whether capital or revenue, have been and are contributed and paid by the members of such incorporation or society by way of entry moneys or other fixed or stated contributions.

XXI. The Senatus Academicus, with the approval of the University Court, shall prescribe the subjects and methods of examination and the conditions of competition for bursaries, scholarships, or fellowships, in so far as the same are not prescribed by ordinance or by deed of foundation.

XXII. The provisions of any Ordinance of the Commissioners under the Universities (Scotland) Act, 1858, in so far as inconsistent with the provisions of this ordinance, are hereby repealed; and any references made in existing Ordinances applicable to the University of Glasgow to Ordinance No. 57 of the Commissioners under the Universities (Scotland) Act, 1889, shall be deemed to refer to this Ordinance.

XXIII. This ordinance shall come into force from and after the date on which it is approved by His Majesty in Council: Provided that nothing herein contained shall extend to, or affect the interests of, any person holding a bursary, scholarship, or fellowship at the date of its coming into force.

#### BURSARIES FOR WOMEN.

On 10th March, 1898, the University Court, in virtue of the power conferred by Ordinance No. 58, Section I., resolved to appropriate to competition, without restriction as to sex, all the open bursaries tenable in Arts, Science, or Medicine, which have taken effect prior to 30th August, 1864. To a number of other Bursaries either men or women may be appointed. In the following lists of Bursaries arranged according to Faculties, *italics* are used in printing the names of those Bursaries for which both men and women are eligible.

## A.—BURSARIES ARRANGED ACCORDING TO FACULTIES.

## BURSARIES IN THE FACULTY OF THEOLOGY.

Bursars in the Faculty of Theology are required to attend each session the Divinity Class and any two of the three classes of Hebrew, Church History, and Biblical Criticism.

FOUNDATION.	No. of Bursaries.	Period of Tenure.	Approximate Annual Value of each.
		Years.	
Adam, John, - - - - -	3	4	£18
Black, - - - - -	2	3	£44
Boyd and Sanders, - - - - -	1	3	£13 16/8
Boyd and Wilson, - - - - -	1	3	£24 6/8
Brown or Ettles, - - - - -	2	3	£27
Dundonald, - - - - -	6	3	£41 2/6
John Ferguson, - - - - -	1	3	£56
Gilhagie and Struthers, - - - - -	1	3	£19 12/8
Hamilton, - - - - -	3	3	£25
Hastie, - - - - -	2	3	£27
Logan, - - - - -	1	3	£16
Lorimer, - - - - -	4	3	£25 and £17
Lumsden, - - - - -	1	4	£18
Macfarlane, James, - - - - -	1	3	£35
Mackie Knockgerran, - - - - -	1	3	£45
Marshall, - - - - -	1	4	£17
Morgan, - - - - -	8	1	£20
Muir, - - - - -	1	3	£34
Muir, William, - - - - -	2	2	£25
Notman, - - - - -	1	3	£18
Ross, John, jun., - - - - -	1	3	£35
King William's, - - - - -	2	3	£20

## BURSARIES IN THE FACULTY OF LAW.

Cunninghame, Andrew, - - - - -	2	1	£37
Macfarlane, Robert, - - - - -	3	3 and 1	£33
Merchants' House, - - - - -	1	3	£25
Walkinshaw-Young, - - - - -	1	2	£18
Major Young's Fund, - - - - -	2	6 and 2	£26

## BURSARIES IN THE FACULTY OF MEDICINE.

Arthur, <sup>1</sup> - - - - -	1	3	£20
Brisbane, - - - - -	1	4	£40
Davidson, - - - - -	1	3	£34
Gardiner, <sup>2</sup> - - - - -	1	2	£14
Gibson, Dr. Thomas, <sup>2</sup> - - - - -	1	4	£36
Glasgow Highland Society, - - - - -	6	5	£25
Logan, <sup>2</sup> - - - - -	1	4	£16
Lorimer, - - - - -	4	3	£25 and £17
Macarthur, - - - - -	1	2	£20
Macfarlane, John, - - - - -	1	3	£48
Mackintosh, <sup>2</sup> - - - - -	1	1	£31

<sup>1</sup> Open to women students only.<sup>2</sup> Both men and women are eligible.



BURSARIES IN THE FACULTY OF MEDICINE—*Continued.*

FOUNDATION.	No. of Bursaries.	Period of Tenure.	Approximate Annual Value of each.
		Years.	
Marshall, - - - - -	1	4	£17
Merchants' House, - - - - -	2	4	£25
Monteith, John, - - - - -	2	2	£21
Oliphant, John, - - - - -	1	6	£35
Paterson, James A., <sup>1</sup> - - - - -	8	4	£25 and £20
Rainy, - - - - -	2	2	£20
Walton, - - - - -	1	4	£35
Weir, Andrew, - - - - -	1	1	£18

BURSARIES IN THE FACULTY OF SCIENCE.

Cuthbertson, Donald, - - - - -	1	3	£35
Kerr, Malcolm, - - - - -	2	3	£25
M'Ewen, Malcolm (Arts or Science), - - - - -	1	4	£16
Metcalfe, - - - - -	4	2	£25
Muir (Civil Engineering), - - - - -	2	1	£13
Oliphant, John (Engineering), - - - - -	1	3	£35
Pender Memorial, - - - - -	2	2	£30
Shipwrights' Company, - - - - -	1	3	£50
Strang, - - - - -	4	3	£20
Young, George, - - - - -	1	1	£38

BURSARIES IN THE FACULTY OF ARTS.

Bursars in the Faculty of Arts are required to attend at least two classes each session.

Adam, James, - - - - -	2	4	£17
Adamson, - - - - -	1	3 or 4	£20
Barbour (Kilbarchan), <sup>1</sup> - - - - -	1	3	£25
Biggart Memorial, - - - - -	10	4	£25
Black, - - - - -	2	4	£22
Blackquarry School, - - - - -	1	4	£14
Brand, - - - - -	3	4	£29
Brown, Ebenezer, - - - - -	1	3	£38
Browne (Ayrshire), - - - - -	2	4	£22
Brown-Paton, - - - - -	2	3	£17
Buchanan, <sup>1</sup> - - - - -	2	3	£14
Campbell, <sup>1</sup> - - - - -	2	3 or 4	£10
Clark, John (Mile-end), <sup>1</sup> - - - - -	24	4	£30
Craig, - - - - -	1	4	£25
Craig, Archibald, <sup>1</sup> - - - - -	1	2	£9
Crawford and Brown, <sup>1</sup> - - - - -	1	4	£19 13/4
Davidson, - - - - -	1	3	£34
Duart, - - - - -	1	3	£32
Duncan's Bute, - - - - -	2	4	£38
Dundonald, - - - - -	8	4	£40
Forfar, <sup>1</sup> - - - - -	5	4	£38
Forrester, <sup>1</sup> - - - - -	1	3	£20
Foundation, <sup>1</sup> - - - - -	2	4	£20
Franco-Scottish Society, <sup>1</sup> - - - - -	—	—	—
Fullarton of Overton, - - - - -	5	2	£22

<sup>1</sup> Both men and women are eligible.

BURSARIES IN THE FACULTY OF ARTS—*Continued.*

FOUNDATION.	No. of Bursaries.	Period of Tenure.	Approximate Annual Value of each.
		Years.	
<i>Gardiner</i> , <sup>1</sup> - - - - -	1	2	£14
<i>Gartmore</i> , <sup>1</sup> - - - - -	1	3	£22
<i>General Council</i> , <sup>1</sup> - - - - -	5	3 or 2	£20
<i>Glasgow City Educational Endow'm'ts</i> , <sup>1</sup>	20	4 or 2	£25 and £50
<i>Grant, George</i> , <sup>1</sup> - - - - -	1	3 or 4	£40
<i>Grant, George, jun.</i> , <sup>1</sup> - - - - -	1	4	£40
<i>Hamilton</i> , - - - - -	3	3	£20
<i>Hamilton Educational Trust</i> , <sup>1</sup> - - - - -	3	3	£20
<i>Haunay</i> , - - - - -	3	3	£15
<i>Hastie</i> , <sup>1</sup> - - - - -	1	4	£27
<i>Highland Society, Glasgow</i> , <sup>1</sup> - - - - -	12	3	£20
<i>Hill</i> , <sup>1</sup> - - - - -	6	3	£20
<i>Howison and Gilchrist</i> , - - - - -	1	4	£10
<i>Hutchesons' Educational Trust</i> , - - - - -	20	4	£20
<i>Hyndford and Ross</i> , - - - - -	1	4	£10 16/8
<i>Jaffrey, John Ferguson</i> , - - - - -	1	2	£32
<i>Kerr, Malcolm (Nat. Phil.)</i> , - - - - -	1	3	£25
<i>Laing, Alexander</i> , - - - - -	1	3	£20
<i>Laing, James</i> , <sup>1</sup> - - - - -	8	4	£25
<i>Lanfine</i> , <sup>1</sup> - - - - -	6	2	£27
<i>Leadbetter</i> , - - - - -	1	4	£9
<i>Leyden, John</i> , - - - - -	1	3	£14
<i>Lochhead, James</i> , - - - - -	1	3	£17
<i>Lochhead and Mitchell</i> , - - - - -	2	4	£34
<i>Lorimer (Phil.)</i> , - - - - -	4	3	£25 and £17
<i>Lorimer (Math.)</i> , <sup>1</sup> - - - - -	4	3	£25 and £17
<i>Lusk</i> , - - - - -	1	3	£37
<i>M'Crie</i> , - - - - -	4	4	£25
<i>M'Culloch</i> , - - - - -	1	4	£18
<i>MacDougall</i> , - - - - -	3	3	£33
<i>M'Ewen, Malcolm (Arts or Science)</i> , - - - - -	1	4	£16
<i>M'Farlane, Robert (Arts or Law)</i> , - - - - -	1	3	£33
<i>MacGrouther</i> , - - - - -	2	4	£20 and £15
<i>M'Kissack</i> , - - - - -	1	4	£20
<i>Maclean Trust</i> , <sup>1</sup> - - - - -	4	4	£25
<i>Maitland Club</i> , - - - - -	1	—	£6
<i>Manderson, Alexander</i> , <sup>1</sup> - - - - -	1	3	£15
<i>Marshall Trust</i> , <sup>1</sup> - - - - -	20	4	£30
<i>Meiklejohn, William</i> , - - - - -	1	4	£20
<i>Menzies</i> , - - - - -	4	4	£45
<i>Merchants' House</i> , - - - - -	1	4	£25
<i>Miller</i> , - - - - -	1	3	£24
<i>Monteith</i> , - - - - -	3	3	£15
<i>Morgan</i> , - - - - -	16	1	£20
<i>Muir (Mathematics, Senior)</i> , - - - - -	1	1	£17
<i>Muir (Mathematics, Junior)</i> , - - - - -	1	2	£8 10/
<i>Paterson, James (Baptist)</i> , - - - - -	1	4	£22
<i>Paterson, James</i> , - - - - -	1	3	£17
<i>Paterson, James A.</i> , - - - - -	8	3	£30, £20, and £10

<sup>1</sup> Both men and women are eligible.

BURSARIES IN THE FACULTY OF ARTS—*Continued.*

FOUNDATION.	No. of Bursaries.	Period of Tenure.	Approximate Annual Value of each.
		Years.	
Patrick, - - - - -	3	4	£32
Perthshire Society, - - - - -	1	3	£25
Pollock, - - - - -	3	3	£38
Ramsay-Walker, - - - - -	2	4	£15
Scott (Sir Walter), <sup>1</sup> - - - - -	4	4	£25
Stevenson of Dalry, - - - - -	2	4	£33
Stewart, A. & B., <sup>1</sup> - - - - -	15	3	£20
Stewart, <sup>1</sup> - - - - -	3	4	£15
Thomson, James (Philosophical), - - - - -	1	2	£11
King William's, <sup>1</sup> - - - - -	2	3	£15

## BURSARIES IN THE FACULTIES OF ARTS AND THEOLOGY.

Ardkinglass, - - - - -	1	6	£9 10/
Buchanan (Bellfield), - - - - -	2	7	£47
Leighton, - - - - -	1	3	£18
Williams, - - - - -	4	3 or 4	£40

## BURSARIES IN THE FACULTIES OF ARTS OR THEOLOGY.

Lamb, <sup>1</sup> - - - - -	1	—	£12
Simson, - - - - -	1	—	£18

## BURSARIES IN THE FACULTIES OF LAW OR MEDICINE.

Stewart, A. & B., <sup>1</sup> - - - - -	5	3	£50
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## BURSARIES IN THE FACULTIES OF ARTS, LAW, OR MEDICINE.

Macdonald, - - - - -	2	4	£17
William Whyte, - - - - -	4	4	£25

## BURSARIES IN THE FACULTIES OF ARTS AND SCIENCE.

Murray, Mary Jane, <sup>2</sup> - - - - -	1 or more	4	£40
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## BURSARIES IN THE FACULTIES OF ARTS, SCIENCE, OR MEDICINE.

Wedderburn Ogilvy, - - - - -	2	3	£30
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## BURSARIES IN THE FACULTIES OF THEOLOGY, LAW, OR MEDICINE.

Armagh, <sup>1</sup> - - - - -	3	3	£52
Bell, - - - - -	—	—	£50
Hutcheson, Thomas, - - - - -	1	4	£11 2/2 <sup>3</sup>

## BURSARIES IN ANY FACULTY.

Ayrshire Society, <sup>1</sup> - - - - -	4	3	£15
Denny, <sup>1</sup> - - - - -	4	4	£30
Dumfriesshire Society, <sup>1</sup> - - - - -	2	4	£15
Ferguson, James, - - - - -	2	2	£100
Forrest, - - - - -	5	5 or less	£22
Gibson, John, - - - - -	2	3	£20
Hart, <sup>1</sup> - - - - -	2	5	£30
Johnstone, Robert, - - - - -	1	3	£15
Kintyre (Ker), - - - - -	1	3	£20
Kintyre, Alexander Love, <sup>1</sup> - - - - -	1	4	£20
M'Kechnie, - - - - -	2	4	£35
Pratt, <sup>1</sup> - - - - -	2	4	£20
Shearer, - - - - -	3	3	£30
Smith, - - - - -	1	4	£16
Stillie, <sup>1</sup> - - - - -	1	1	£5
Taylor, <sup>1</sup> - - - - -	2	4	£10

<sup>1</sup> Both men and women are eligible.<sup>2</sup> Open to women students only.

## B.—BURSARIES (ALPHABETICALLY ARRANGED).

**JAMES ADAM BURSARIES (*Arts*).**—These bursaries were founded by the Rev. James Adam, Minister of Cumbrae, who died in 1830, and were originally three in number. In appointing to one of the bursaries, preference is given to students of the name of Adam, and to the remaining bursary to students "who are rather poorest and most deserving." The bursaries are tenable for four years, but if a bursar graduate at the end of three years he shall only retain his bursary during the fourth year of tenure if he shall engage in a course of study approved by the Senate in subjects included in the curriculum for Degrees in Arts or in Pure Science. In other respects the provisions of University Court Ordinance No. XXVII. apply to these bursaries. The appointment is vested in the Earl of Glasgow, the Professor of Divinity, and the Minister of Cumbrae, the exercise of their patronage being regulated by Sections xiv.—xvii. of said Ordinance. Value, about £17 per annum each. Apply to D. & A. Cuthbertson, Provan & Strong, C.A., 190 West George Street, Glasgow.

*Bursars*—Robert J. Drainer, 1914; Wesley C. Holdsworth, 1914.

**JOHN ADAM BURSARIES (*Theology*).**—Three in number, founded by Mr. John Adam, of the Inner Temple, who died in 1836. The founder gave a preference to his own kindred and to students of the name of Adam or Dollar. By Ordinance No. 57 of the Universities Commission (1889) this preference was cancelled. They are open to competition to students in Theology of the first year; and, after examination, are adjudged to the three students who shall be declared to be the most deserving, and to have made the highest attainments in Latin, Greek, Logic, Moral and Natural Philosophy, and Mathematics. The trustees and patrons are the Principal, the Professor of Theology, and the five Professors of the Gown Classes. These Bursaries are tenable for four years, subject to the provisions of University Court Ordinance No. XXVII., Section v. Value, £18 to each bursar. (One vacancy.)

*Bursars*—Alastair Campbell, 1913; William T. Smellie, 1913.

**ADAMSON BURSARY (*Arts*).**—This Bursary was founded by the Rev. David Adamson, minister of Fintry, in 1674, for a student in Philosophy, and was restricted to sons of freemen in one of the seven Incorporate Trades of Stirling. This restriction was removed by Ordinance No. 57 of the Universities Commission (1889). The Bursary is tenable for four years by a student entering the Greek Class, for three years by a student entering the Logic Class; and the appointment is vested in the Convener Court of Stirling. Value, the free proceeds of the capital, which now amounts to about £500.

*Bursar*—James Cossar, 1913.

**ARDKINGGLASS BURSARY** (*Arts and Theology*).—This Bursary was founded in 1733, by Sir James and Lady Campbell, out of a fund which Colouel John Blackader of Barndenuoch, Glencairn, Dumfriesshire, had by his Will set aside for pious uses, and was tenable for eight years—five in Languages and Philosophy, and three in Divinity. It is now regulated by Ordinance No. 87 of the Universities Commission (1889). A bursar may hold the Ardkinglass Bursary for three years in the Faculty of Arts, and for three years in the Faculty of Divinity, and no longer; but a bursar, who at the end of the third year of his tenure has failed to pass all the examinations necessary for graduation in Arts, shall forfeit the Bursary, and in that event it shall be lawful for the patron to nominate a candidate, who shall be a Master of Arts, or shall have passed the examinations necessary for admitting him to that Degree, and shall be entering on his course of study in the Faculty of Divinity; failing such nomination by the patron, the Bursary shall be awarded by the Senate to a candidate qualified as aforesaid, under such conditions as the Senate shall prescribe, but a Bursar thus nominated shall not hold the Bursary for more than three years. In other respects the provisions of University Court Ordinance No. XXVII. apply to the Ardkinglass Bursary. Patron, the Duke of Argyll. Agents, Messrs. Lindsay, Howe & Co., 32 Charlotte Square, Edinburgh. Value £9 10s.

**ARMAGH BURSARIES** (*Theology, Law, or Medicine*).—Three in number, founded in 1733 by Hugh Boulter, Archbishop of Armagh, who endowed the College with the annual rent of certain lands in the neighbourhood of Glasgow. By ordinance of the Universities Commission (1858) these three Bursaries were raised from £15 to £25 per annum each (the funds having accumulated through vacancies), and the restrictions as to birthplace were removed.

Further regulations were laid down in Ordinance No. 92 of the Universities Commission (1889). The Bursaries are now each of the annual value of £52, and are open by competition to students who are presenting themselves for the final examination for the Degree of Master of Arts with Honours in the following rotation: (1) Classics, (2) Mental Philosophy, (3) Mathematics and Natural Philosophy. They are tenable for three years, during which the holders must give regular attendance on the classes of this University, as students of Theology, Law, or Medicine. In other respects the provisions of University Court Ordinance No. XXVII. apply to the Bursaries on this Foundation. In October, 1916, one Bursary, tenable for three years, will be open to competition, the examination to be in Mathematics and Natural Philosophy.

*Bursars*.—<sup>1</sup>James Munro (Math. and Nat. Phil.), 1913; Israel Levine (Classics), 1914; Archibald M. Paterson (Ment. Phil.), 1915.

<sup>1</sup> Vacant through lapse of time.

**ARTHUR BURSARY OR SCHOLARSHIP (*Medicine*).—**Founded in 1892 by Mrs. Arthur of Barshaw. This Bursary is at present of the annual value of £20. It is open to women students in the Medical School at Queen Margaret College. It is to be awarded by the Trustees to the student who shall take the highest place among the Queen Margaret College candidates at the First Professional Examination held in the University before the commencement of the winter session in which an appointment falls to be made, provided always that a candidate may take part of her examination in the March or April preceding. If two students are of equal merit, the Bursary will be divided between them, and if more than two are equal, a special examination may be held to determine who shall be the recipient. The Bursary is tenable for three years, subject to the condition that the Bursar prosecute her medical studies with the approval of the Trustees.

*Bursar or Scholar*—<sup>1</sup>Jean M. Frew and <sup>1</sup>Jessie B. MacLachlan, 1913.

**AYRSHIRE SOCIETY (GLASGOW) BURSARIES (*Any Faculty*).—**Four in number, founded in 1868 and 1879 by the Glasgow Ayrshire Society, and consisting of the free annual proceeds of a sum of £1,501 11s. subscribed by members of the Society, to be devoted to the establishment of bursaries in the University of Glasgow, and invested for that purpose. The bursaries, which are at present £15 per annum each, are tenable for not more than three years, and are open to applicants of either sex between the ages of 14 and 24, who are descendants of members of the Society, or natives of Ayrshire, or sons or daughters of natives resident in Glasgow, who are in circumstances rendering the aid of a bursary necessary or desirable. Patrons—the Directors and Office-bearers of the Society. Secretary, Mr. Robert Dunlop, 156 St. Vincent Street, Glasgow.

*Bursars*—William T. Mitchell, 1914; Samuel W. M'Ghee, 1915; Hugh A. Cochrane, 1915; James P. Kilty, 1915; Agnes M. Oliphant, 1915.

**BARBOUR KILBARCHAN BURSARY (*Arts*).—**Founded in 1887 by the Executors of Miss Mary Barbour of Plymouth Grove, Manchester, who bequeathed £500 free of legacy duty for the purpose of endowing a scholarship for the Board School of Kilbarchan, Renfrewshire. The bursary is open to students of the first year, of either sex, and is tenable for three years. Candidates must not exceed the age of eighteen years, must produce a certificate from the Kilbarchan School Board that they have attended three years at the Kilbarchan Village or Town Board School, are of irreproachable character, and have given satisfactory evidence of good natural ability, diligence and proficiency in their studies, and must be examined at the ordinary Bursary Examination. The annual value is about £25.

<sup>1</sup> Vacant through lapse of time.

**BELL BURSARIES.**—Mrs. Mary Allan Bell, of Nether Culzean, Maybole, who died on 7th February, 1899, at Glenae, Dumfries, in her Trust Disposition and Settlement of date 21st October, 1895, directed her Trustees, after the death of her husband, to apply the income of the residue of her estate in perpetuity in providing bursaries of £50 each for necessitous deserving students of Medicine, Law, or Theology in this University. Only those who have gone through the Arts curriculum are to be eligible, with a preference, *cæteris paribus*, first to the name Turnbull, and next to the name Macdowall. The Bursaries are to be awarded by competition, the examination being conducted both orally and in writing by two examiners appointed by the Trustees. Each Bursary is to be tenable for three or four years, as the Trustees may decide.

**BIGGART MEMORIAL BURSARIES (Arts).**—Founded in 1876 by Mr. Thomas Biggart of Baidlandhill, Dalry, Ayrshire, in memory of his son, Thomas Biggart, an alumnus of Glasgow University, who died in 1874. The bursaries are open to competition at the annual Bursary Examination to students who are entering on the Arts Course at the University of Glasgow, with a view to the ministry of the United Free Church, and are designed to enable such students more easily to pursue that curriculum and obtain, as far as practicable, the Degree of Master of Arts.

The bursaries are tenable for four years, and the yearly value of each is £25. The Bursary Fund consisted of the sum of £6,000, and the deed of foundation provided that the surplus revenue, if any, may be applied to prolong the tenure of any of the bursars for a fifth year, or to the granting of additional bursaries on the same conditions as are applicable to the others.

Each bursary is payable by equal moieties on the second day of February and at the close of the winter session; and the bursar, on applying to the Principal for a precept for the second moiety, is required in each year to produce, besides the usual certificate from the Professors, a certificate signed by the Chairman and the Clerk of the Theological Committee of the United Free Assembly, to the effect of his being recognised by that Church as an accepted student, pursuing his studies with a view to the ministry therein.

*Bursars*—John W. Graham, 1913; James M'Lellan, 1913; Andrew Campbell, 1914; Joseph B. Kirkpatrick, 1915; William J. M'Intosh, 1915.

**BLACK BURSARIES (Arts).**—Founded by Mrs. Janet Black, widow of the Rev. William Black, D.D., Minister of the Barony Parish, Glasgow. Mrs. Black died in 1876, and by her Settlement made provision, *inter alia*, for the institution of two bursaries in Arts, each of which is now of the annual value of £22. The bursaries are

open to competition to students entering on their first session in the University, and are awarded to students who, having passed the Arts Preliminary, have gained the highest marks in Mathematics in the Bursary Examination, and have not obtained a bursary in the general competition. The bursars are required to attend the qualifying courses for a degree in Arts.

*Bursar*—Donald Maclean, 1914.

**BLACK BURSARIES (*Theology*).**—Founded by Mrs. Janet Black—who died in 1876—in memory of her husband, William Black, D.D., Minister of the Barony Parish of Glasgow. The bursaries are entrance bursaries, two in number, each of the annual value of £44, tenable for three years. The competition is open to candidates holding a degree in Arts in any Scottish University, or who have passed their examinations in any four subjects taken from at least two departments for graduation in Arts. Candidates must be members of the Established Church of Scotland.

*Bursars*—Neil L. A. Campbell, 1914 ; Thomas R. Allison, 1915.

**BLACKQUARRY SCHOOL BURSARY (*Arts*).**—Founded in 1876 by the Trustees of the Blackquarry School, Port-Dundas, Glasgow. The Police Board of Glasgow having acquired the school compulsorily under "The Glasgow Police Acts," the Trustees resolved to apply the proceeds, after payment of all claims upon the institution, in founding a Bursary in the University of Glasgow. The Bursary is open to competition to Students in the Faculty of Arts on their first entering the University, under the same regulations as those of the competition Bursaries in the University, and is tenable for four years, subject to the condition that the Bursar shall attend the qualifying course for the Degree of M.A. Value, the annual income of a sum of £420 (about £14).

**BOYD AND SANDERS BURSARY (*Theology*).**—In 1635, Mr. Zachary Boyd founded three Bursaries for students in Divinity, tenable for two or four years, each of the value of £5 10s. per annum. The appointment to one of these was vested in the Merchants' House of Glasgow ; and the patrons of the other two were the members of the City Council. Preference to burgesses' sons, particularly of the name of Boyd.

The Bursary, value £5 10s., in the gift of the Merchants' House of Glasgow, and the Sanders Bursary, value £8 6s. 8d., founded in 1728 by Mr. Robert Sanders of Auldhouse, also in the gift of the Merchants' House, were, by an order obtained under the authority of the Endowed Institutions Commission in 1880, conjoined into one Bursary of £13 16s. 8d. per annum, tenable for not more than



three years by a student attending the ordinary curriculum in the Faculty of Theology at the University of Glasgow. The preference, *cæteris paribus*, to the names Boyd, Sanders, Corbet, Colquhoun, and Wardrop, was cancelled by Ordinance No. 57 of the Universities Commission (1889). When a vacancy occurs applications are to be lodged with the Clerk of the Merchants' House, on or before 10th August.

*Bursar*—<sup>1</sup> Robert W. Smith, 1913.

BOYD AND WILSON BURSARY (*Theology*).—By ordinance of the Universities Commissioners of date 17th May, 1862, the two Boyd Bursaries in the gift of the Magistrates and Town Council of Glasgow (see above) were conjoined into one, tenable for three years, the Bursar to be M.A. By an ordinance of the same date the two Bursaries, value £6 13s. 4d. per annum each, which were founded by Mr. Michael Wilson in 1640, and placed under the same patronage, were also conjoined into one, tenable for three years, the holder to be M.A. in regular attendance at the University as a student of Theology. Restrictions as to kindred, etc., were in both cases abolished.

This Boyd Bursary and this Wilson Bursary were, by Ordinance No. 78 of the Universities Commission (1889), conjoined into one Bursary, called the Boyd and Wilson Bursary, value £24 6s. 8d. per annum. The holder must be a Master of Arts of a Scottish University. The Bursary is tenable for three years, provided that the Bursar shall, during that period, give regular attendance as a student of Theology in Glasgow University. When a vacancy occurs, applications are to be lodged with the Town Clerk, City Chambers, not later than 10th August.

*Bursar*—William Wright, 1914.

BRAND BURSARIES (*Arts*).—Mr. Robert Brand, son of the late Mr. Robert Brand, coalmaster, Wishaw, by his Trust Disposition and Settlement, dated 28th June, 1873, directed his Trustees to pay to the Senatus of the University of Glasgow the sum of £2,000, the income of said sum to be applied in payment of three Bursaries in Arts for the behoof of students in the University who shall be studying with a view to the ministry of the United Free Church. Mr. Brand died on 3rd July, 1873, but, in consequence of litigation, it was not till January, 1875, that the bequest, amounting, with interest, to the sum of £2,121 7s. 5d., was paid by the Trustees to the Senate. The Bursaries, which are tenable for four years, are of the annual value of about £29 each, and are awarded by public competition to students entering their first or second session in the

<sup>1</sup> Vacant through lapse of time.

Faculty of Arts; the Bursars to graduate as M.A. at the end of their course.

*Bursars*—Robert E. S. Gibson, 1913; John G. Runciman, 1914; John McDowall, 1915.

BRISBANE BURSARY (*Medicine*).—Founded by Miss Christian Brisbane in 1777, in fulfilment of the intentions of her brother, Dr. John Brisbane of Balbegno. Their father, Dr. Thomas Brisbane, was the first Professor of Anatomy in this University.

It is tenable by a student of Medicine for four years, and the salary is about £40 per annum. The family of Brisbane and the University present alternately. The patronage in 1912 lay with the Brisbane family. Candidates must be under twenty-two years of age, and must have the Degree of M.A.

The preference formerly given to the kin of the founder was cancelled by Ordinance No. 57 of the Universities Commission (1889).

*Bursar*—<sup>1</sup>James M. Mackintosh, 1912.

BROWN BURSARY.—See Crawford and Brown, p. 408.

BROWN OR ETTLES BURSARIES (*Theology*).—Two in number, founded in 1867 by Miss Ettles of Inverness, in memory of her brother-in-law, Dr. E. Brown, an alumnus of this University. The Bursaries consist of the annual interest and proceeds of a sum of £1,000, and are open to competition to first year students of Divinity who have passed all the examinations required for the ordinary Degree of M.A.; with a preference, *cæteris paribus*, to such as can speak Gaelic. The Bursaries are now each of the annual value of £27, and are tenable for three years.

*Bursar*—Andrew L. M. Mackenzie, 1914.

EBENEZER BROWN BURSARY (*Arts*).—Founded in 1884 under the Trust Disposition and Settlement of Mr. Ebenezer Brown, export bottler, West Campbell Street, Glasgow. Mr. Brown, who died on 31st July, 1883, bequeathed to the Senate the sum of £1,000, free of legacy duty, for the purpose of founding and maintaining a bursary in the Faculty of Arts, to be granted to the student who shall stand highest in a competitive examination on such subject or subjects in Arts as the Senate may prescribe. The Senate have full power to vary such subject or subjects from year to year, and to lay down such regulations regarding the bursary as they may see fit. The bursary is open to competition to all students entering on their first or second year of attendance, provided that no student in his second year shall be eligible who on entering upon his first year of attend-

<sup>1</sup> Vacant through lapse of time.

ance passed the whole Preliminary Examination. It is tenable for three years. Present value, £38 per annum.

*Bursar*—Elias Bloch, 1914.

**BROWN-PATON BURSARIES (*Arts*).**—Founded in 1891 by Mr. Andrew Brown-Paton, Liverpool, in memory of his father, mother, and three sisters. The bursaries are two in number, and are tenable for three years. They are open for competition to students of the first year, with a preference to natives of the parishes of London or Galston in Ayrshire. Should no candidate from either of these parishes come up to the standard of the Entrance Examination then held in Arts, the bursaries are open to candidates from any part of Ayrshire. Failing qualified candidates from Ayrshire, the bursaries are open to all students of the first year. In case of a vacancy, otherwise than by lapse of time, a student of the same standing is appointed by the Senate by examination or otherwise. Each bursar receives one half of the free proceeds of the capital sum, £1,000, paid over to the University Court by the founder. The present annual value of each bursary is £17.

**BROWNE (AYRSHIRE) BURSARIES (*Arts*).**—Two in number, tenable for four years, and each of the annual value of about £22, founded in 1871 by Mr. Hugh Browne, residing at Darvel, in the county of Ayr, who for this purpose, and in memory of his brother, the late Dr. Alexander Browne of Buenos Ayres, mortified to the University of Glasgow the sum of £1,000. The bursaries are awarded by competition. Candidates must be natives of the county of Ayr, or must have been educated for not less than four years in a school within the said county, and must be entering on their first session at the University.

*Bursars*—Arthur L. Beard, 1913 ; James Clement, 1914.

**BUCHANAN BURSARIES (*Arts*).**—Founded by the late Robert Buchanan, LL.D., Ardfillayne, Dunoon, formerly Professor of Logic and Rhetoric in the University of Glasgow, by Codicils to his Will, dated 26th December, 1871, and 26th March, 1872, in which, as a "token or expression of his gratitude and respect to the University of Glasgow, with which, as a student, or Professor, or member of the University Court, he had been connected for the space of fifty years," he bequeathed the sum of £1,000 for the purpose of founding a Bursary or Bursaries for students in the Faculty of Arts, on the conditions that may appear to the Senatus best for the interests of the University. The Senate resolved to apply the annual proceeds to the support of two Bursars in Arts, each to hold his Bursary for three years, subject to the usual condition of attending two of the classes of the curriculum in each session ; the Bursars to be appointed by competitive examination among students of either

sex of the first year. The Bursaries are awarded to competitors who, having passed the Arts Preliminary, have gained the highest marks in Dynamics in the Bursary Examination, and have not obtained a bursary of greater value in the general competition. Present value, £14 to each Bursar.

*Bursar*—James Nicholson, 1915:

BUCHANAN (BELLFIELD) BURSARIES (*Arts and Theology*).—Founded in 1875, in accordance with the Trust Disposition and Deed of Settlement of the late Misses Margaret Jane and Elizabeth Buchanan of Bellfield, Glasgow. The Bursaries are two in number, and consist of the yearly proceeds of a sum of £4,200, vested in Reduced 3 per cent. Annuities. Open to matriculated students who may be prosecuting their studies at the University of Glasgow, with a view to their becoming licentiates and clergymen of the Established Church of Scotland. The Patrons are the Principal and such of the Professors as hold their appointments from the University Court. The Bursaries are tenable during the whole curriculum "or such portion thereof as to the said Principal and Professors may seem proper." The Bursars are appointed by competitive examination among students of the first and second years in Arts. Present value, £47 per annum to each Bursar.

*Bursars*—James S. M'Nab, 1910 ; George Mills, 1911.

CAMPBELL BURSARIES (*Arts*).—In 1908 the Trustees of the late Miss Mary Campbell, Clarkston, handed over to the University a sum of £800 for the purpose of founding and endowing two Bursaries in the University of Glasgow. The Senate are the Patrons. The Bursaries are open to students of either sex who are entering on the first or second year of their studies in Arts, and are awarded on the results of the general bursary competition. They are tenable in the case of students appointed in the beginning of their first year for four years, and in the case of students appointed in the beginning of their second year for three years. Should a bursar graduate before the expiry of his period of tenure he may continue to hold his bursary during the remainder of the period, provided that he shall engage in a course of study approved by the Senate in subjects included in the curriculum for Degrees in Arts or in Pure Science. The annual value of each is £10.

*Bursar*—Robert T. Ross (4 years), 1915.

GEORGE A. CLARK BURSARIES OR SCHOLARSHIPS (*Arts, etc.*).—(See under "Scholarships.")

JOHN CLARK (MILE-END) BURSARIES (*Arts*).—Founded in 1868, in accordance with the Trust Disposition and Deed of Settlement of the deceased Mr. John Clark, junior, of the firm of John Clark,

junior, & Co., thread manufacturers, Mile-End, Glasgow. By a Deed of Constitution of date 1st August, 1866, the "Clark Bursary Fund" is placed under the management of twelve trustees. The Bursaries are to be at least two in number, of the annual value of £30, open for competition to all Protestant students of good moral character, sons or daughters of Protestant parents, entering on their first session in the Faculty of Arts (a preference, *cæteris paribus*, given to orphans), and are tenable for four years, subject to the condition that the Bursars proceed through the curriculum of Arts in Glasgow University. On 29th October, 1897, the Trustees resolved that it should not be competent for any one appointed after that date to a John Clark (Mile-End) Bursary to hold any other Bursary or Scholarship concurrently with it, except with the consent of the Trustees. The competition is to be in writing, and the trustees are to appoint the subjects of examination. The Bursary fund consists of the residue of the Testator's estate, said residue amounting to upwards of £35,000. Six Bursaries on this foundation were open to competition in June, 1916, viz., four for general excellence, one for special excellence in French, and one for special excellence in German. Awards for the Bursaries for French and German are made only to competitors who have passed the Arts Preliminary and have not obtained any Bursary for general excellence.

*Bursars*—David C. Browning, 1913; John Clarke, 1913; David L. Keir, 1913; James J. Robertson, 1913; Alice M. Vaughan (German), 1913; John Lees, 1914; John M'Kinnell, 1914; James F. Shearer, 1914; Stewart Mechie (French), 1914; Barbara R. Barr (German), 1914; John Grierson, 1915; Clelland M. Hyslop, 1915; John B. Neilson, 1915; Martha F. L. S. Porteous, 1915; Adrienne C. Fallet (French), 1915; Eliza A. M'Kinven (German), 1915.

CRAIG BURSARY (*Arts*).—Founded by Mr. John Craig, merchant in Glasgow, in 1697, for students in Philosophy. Tenable for four years. The preference to kindred of Founder, and students of the name of Craig, was cancelled by Ordinance No. 57 of the Universities Commission (1889). Value, £8 6s. 8d. per annum, increased by the Patrons in 1880 to £25. Appointment by the Merchants' House. Applications to be lodged with the Clerk of the Merchants' House before 30th April of the year in which a vacancy occurs.

*Bursar*—Jeanie G. McCulloch, 1914.

ARCHIBALD CRAIG BURSARY (*Arts*).—The Rev. Archibald Craig, some time minister of the Free Church at Dalton, thereafter residing at Eaglesham, who died on 10th March, 1873, by his Will, dated 4th March, 1873, bequeathed a sum which, with accretions,

amounted in 1884 to £250, to be devoted to the foundation of a Bursary in the University of Glasgow. The Trustees of the Bursary Fund are—the Minister for the time being of the Parish of Eaglesham, the Minister for the time being of the United Presbyterian Church, Newton-Mearns, and certain other gentlemen. The Bursary was founded in 1884. It is open to competition, at the annual Bursary Examination, to students of either sex entering on the first session of attendance at the University, who are natives of the parishes of Eaglesham or Mearns, or who for two consecutive years have attended school in either of said parishes; is awarded by the Senate in accordance with the result of that examination; and is tenable for the first two years of such student's attendance at the University. The Bursary is payable at the close of the winter session. Should the Bursary be in abeyance during any session or sessions, from failure of students falling under the above description, the accumulation may, in the discretion of the trustees, be applied to the increase of the Bursary in any subsequent session or sessions, or may be added to the capital fund.

**CRAWFURD AND BROWN BURSARY (*Arts*).**—The Crawford or Bishop's Bursary was founded by Captain Thomas Crawford of Jordanhill in 1576, and was appropriated to a student in Languages. It was tenable for four years, the value being a chaldier of meal. The Patrons were the Principal and the Professors of the University. The foundation was remodelled by ordinance of the Universities Commission, dated 7th June, 1862. The Brown Bursary was founded in 1697 by Colonel Brown of Maryland. It was tenable for four years. The annual value was £5, increased in 1880 to £6 13s. 4d. by an addition from the Students' Bursary Fund. This Bursary, being also in the patronage of the Principal and Professors, was combined with the Crawford Bursary by Ordinance No. 81 of the Universities Commission (1889), the joint-bursary to be called the Crawford and Brown Bursary. The preference as to kindred attaching to the Brown Bursary was abolished. The Crawford and Brown Bursary is tenable for four years, the annual value being £19 13s. 4d. If a bursar graduate at the end of three years, he shall only retain his Bursary during the fourth year of tenure if he shall engage in a course of study approved by the Senate in subjects included in the curriculum for Degrees in Arts or in Pure Science. In other respects the provisions of University Court Ordinance No. XXVII. apply to this Bursary.

**ANDREW CUNNINGHAME BURSARIES (*Law*).**—Mr. Andrew Cunningham, Town Clerk Depute of Glasgow, who died in 1886, bequeathed to the University, free of legacy duty, £5,000, for the purpose of completing the tower, and also £350, the annual revenue of which was to be applied in purchasing a gold medal as a prize in the class

of Mathematics. He also bequeathed to the Senate £2,000 for founding two Bursaries in connection with the Scots Law and Conveyancing Classes. The following regulations were adopted by the Senate on 6th April, 1905 :

1. The Bursaries shall be of equal value, and tenable for one year.
2. One Bursary shall be awarded on the report of the Professor to the best student in the Class of Scots Law, and one Bursary shall be awarded on the report of the Professor to the best student in the Class of Conveyancing.
3. The Bursaries may be held along with any other Bursary or Prize.
4. The Bursaries shall be awarded at the close of the winter session and shall be payable at the usual times of payment in the academic year next following, on production of certificates showing that the Bursars are attending some class or classes in the Faculty of Law not attended in a previous year : Provided that the minimum attendance certified be in one class having eighty lectures or in two classes each having forty lectures.

Under these regulations appointments to both Bursaries will be made in March or April, 1917. Present value of each, £37.

*Bursars*—John M'Murray (Scots Law), 1916 ; Donald A. S. M'Leish (Conveyancing), 1916.

**DONALD CUTHBERTSON BURSARY** (*Science*).—Founded in 1900 by Sir John Neilson Cuthbertson, LL.D., and his son Thomas William Cuthbertson, M.A., Trustees of Donald Cuthbertson, LL.B., Accountant in Glasgow, who died on 8th December, 1864. The Bursary Fund amounted to £1,000, being the accumulated revenue and principal of £500 out of the residue of the Testator's estate. After the death of Sir John on 26th January, 1905, his son having predeceased him on 7th May, 1904, the administration of the Fund and Bursary passed, in terms of the Deed of Foundation, to the University Court. The regulations fixed and adopted by the Trustees are to continue in force, and are *inter alia* the following :—

1. The Bursary shall be awarded to a student entering on his course with a view to graduate as B.Sc. in Pure Science, account being taken of the proficiency he has shown in passing the Science Preliminary Examination.
2. The Bursary shall be tenable for a period of three years, provided the Bursar continue his attendance on classes in the University during that period. The present annual value is £35.

*Bursar*—Henry S. Watson, 1915.

**DAVIDSON BURSARIES** (*One in Arts and one in Medicine*).—Two in number, founded in 1881, in terms of the Trust Disposition and Settlement of Mrs. Eliza Davidson, who bequeathed £2,000 for that

purpose, the one bursary being in memory of her husband, John Davidson, surgeon, Newmilns, and the other in memory of her son, Francis John Ferguson Davidson. A preference is given, *ceteris paribus*, to the Founder's relatives, and to young men natives of the parishes of Muirkirk, Dalserf, Lesmahagow, and Loudon. One of the Bursaries is open to competition to students of the first or second year in the Faculty of Arts, and is tenable for three years, but the second moiety of the third year's Bursar is not payable until the bursar shall have passed the examinations in four subjects taken out of at least two Departments for the Degree in Arts. The other Bursary, also tenable for three years, is awarded to the medical student who stands first in the First Professional Examination, provided that his attendance at the classes has not exceeded the requirements of the Ordinance. The present annual value of each is £34.

*Bursar in Arts*—David B. M'Millan, 1915.

*Bursar in Medicine*—<sup>1</sup> Henry B. Sergeant, 1913.

DENNY BURSARIES (*Any Faculty*).—Four in number, founded in 1875, by the late Peter Denny, LL.D., engineer and shipbuilder, Dumbarton. Value, not less than £30 per annum each, and tenable for four years. Open for competition to all students entering the University who are not under fourteen years of age, and who have been pupils in regular attendance at the Dumbarton Burgh Academy for at least two years, one of which must be immediately preceding the date of such entry. One Bursary will be competed for annually. The examination will be in the same subjects and at the same time as the examination for the other competition Bursaries. The Trustees are Mr. Peter Denny and Mr. Leslie Denny, nominated in 1896 by the Sheriff of Dumbartonshire, the Principal and Professors, and one of the four Assessors of the General Council in the University Court appointed by the four Assessors, or a majority of them, in accordance with the provisions of Ordinance No. 91 of the Universities Commission (1889).

*Bursars*—Norman F. Edgecombe, 1913; Elizabeth R. Brock, 1914; John G. Ritchie, 1915.

DUART BURSARY (*Arts*).—The James Stewart (Duart) Bursary, of the annual value of £32 or thereby, is open to natives of the Parishes of Callander or Trossachs, and is tenable for three years in the Faculty of Arts in any of the Scottish Universities. The Patrons are the Ministers and Kirk Sessions of the Parishes of Callander and Trossachs. Further information will be supplied by Mr. Donald M'Laren, Solicitor, Callander.

DUMFRIESSHIRE SOCIETY (GLASGOW) BURSARIES (*Any Faculty*).—Two in number, the one founded in 1874 and the other in 1876. They

<sup>1</sup> Vacant through lapse of time.



are in value £15 per annum each, are tenable for four years, and consist of the annual proceeds of a sum subscribed by members of the Glasgow Dumfriesshire Society and invested for the establishment of Bursaries in Glasgow University. The Bursaries are open to first and second year students, between the ages of 14 and 27, who are either descendants of members of the Glasgow Dumfriesshire Society, or natives of Dumfriesshire, or sons of natives resident in Glasgow, whose circumstances render the aid of a Bursary necessary or desirable. Application to be made to the Secretary, Mr. Francis Stoddart, 184 Pitt Street, Glasgow, not later than 10th August of the year in which a vacancy occurs. There are no bursaries at present.

**DUNCAN'S BUTE BURSARIES (Arts).**—Founded in 1875 for the benefit of natives of the island of Bute, by Mr. James Duncan of Valparaiso, and afterwards of Rothesay, who by his Will of date 19th October, 1874, bequeathed £2,000 for this purpose. The Trustees and Patrons are the Principal, the Professor of Mathematics, the Professor of Natural Philosophy, and the Provost of Rothesay, all for the time being. Candidates must be natives of the island of Bute, and must be entering on their first or second session in the Faculty of Arts at the University. The Bursaries are two in number, tenable for four years; but the Patrons may in each case continue the Bursary for a fifth year to assist a student who may have been assiduous in his Academical studies, in private study, or in Continental travel, or other pursuits conducive to relaxation, combined with enlargement of his experience of men and things. The examination is in the same subjects and at the same time as the examination for the other competition Bursaries. There is a preference, *cæteris paribus*, to the name of Duncan, in such degree as the Patrons shall determine; in other cases of equality the Bursary may be divided. Present annual value, £38 to each Bursar. On 28th October, 1897, the Patrons made a by-law declaring that it should not be competent for any one appointed after that date to a Duncan's Bute Bursary to hold any other Bursary or Scholarship concurrently with it.

*Bursars*—Richmond M'Intosh, 1913; William C. Galbraith, 1914.

**DUNDONALD BURSARIES (Eight in Arts and Six in Theology).**—In 1672, William, Earl of Dundonald, founded seven Bursaries—four in Philosophy and three in Divinity.

In 1858 the surplus funds of this foundation having greatly accumulated, an Act of Parliament was obtained, authorizing an increase in the number of Bursars, but providing that the total number of Bursars in Philosophy shall, at all times, bear to the number of Bursars in Divinity the proportion of four to three, as nearly as may be. The Bursaries are now fourteen in number—eight in Philosophy and six in Divinity.

The Bursaries were further regulated by Ordinance No. 94 of the Universities Commission (1889). The Bursaries in Arts are tenable for four years, but if a bursar graduate at the end of three years, he shall only retain his Bursary for the fourth year of tenure, if he engage in a course of study approved by the Senate in subjects included in the curriculum for Degrees in Arts or in Pure Science. The Bursaries in Divinity are tenable for three years, and no longer. A student cannot be appointed to a Dundonald Bursary in Divinity unless he has passed all the examinations required for graduation in Arts. In other respects the provisions of University Court Ordinance No. XXVII. apply to all the Bursaries on this Foundation. The Bursars in Arts receive £40 each per annum, and those in Divinity £41 2s. 6d. The patronage lies with the Trustees of the late Duke of Hamilton, and is exercised by their Commissioner, George Dalziel, Esq., 66 Queen Street, Edinburgh, to whom applications should be sent on or before the tenth day of August. One appointment in Arts and one in Divinity will be made for next session.

*Bursars in Philosophy*—Eric W. M. Heddle, 1913; Thomas G. Snoddy, 1914.

*Bursars in Divinity*<sup>1</sup>—Malcolm Laing, 1913; J. S. Allan, 1914; Foster Franklin, 1915.

**JAMES FERGUSON BURSARIES** (*Any Faculty*).—Two in number, founded in 1877, under provision of the Trust Disposition and Settlement of the late James Ferguson, Esq., of Wiston, and consisting of the annual proceeds of a sum of £3,600. The Bursaries are now each of the annual value of £100, and are tenable for two years. The Bursaries are awarded for special proficiency in Arts studies, according to the following rotation, viz.:—In November, 1878, and thereafter triennially, in Mental Philosophy; in November, 1879, and thereafter triennially, in Mathematics and Natural Philosophy; in November, 1880, and thereafter triennially, in Classical Literature. The Examination is the same as that for honours in the Groups of Classics, Mental Philosophy, and Mathematics and Natural Philosophy respectively, at the annual Examination for Degrees in October. Candidates must have completed the course of attendance required for admission to examination in the corresponding Group for the Degree of M.A. with Honours. Each Bursar shall undertake, during the tenure of his bursary, either (*a*) to give such assistance in the teaching work of the University, or to follow such a course of advanced study or research in the University or elsewhere as the Senate may determine; or (*b*) to pursue the course of study for such Degree in Divinity, Law, Medicine, or Science, as he may, with approval of the Senate, select. In the event of a successful candidate not having completed attendance on the Arts classes necessary to qualify for the Degree of M.A., he shall be at liberty,

<sup>1</sup> Vacant through lapse of time.

without forfeiting his right to the Bursary, to continue his studies in Arts for two years, in order that he may complete his qualifications for graduation; but no part of the Bursary shall become payable until he has complied with the foregoing requirements. While, in the case of a Bursar who pursues a selected course of study, the Bursary is tenable for two years of such course, the Bursar must continue his attendance on classes beyond the two years, if this be necessary for graduation; and he shall not receive payment of the fourth half-yearly Bursary until he has graduated. Unless a candidate comes up to at least the standard of Second Class Honours, the Senate shall not be bound to award the Bursary. There is a preference, *ceteris paribus*, to young men natives of the parishes of Lesmahagow or Muirkirk, or the province of Pictou, Nova Scotia, and also to young men of the name of Ferguson or Weir, or to descendants and relatives of the founder.

Candidates for the Bursary to be competed for in 1916 will be examined in Classics along with the examinations for the Degree of M.A. with Honours.

*Bursars*—<sup>1</sup> John Macleod, 1914; James Phemister, 1915.

JOHN FERGUSON BURSARY (*Theology*).—The late Mr. John Ferguson, portioner, Gourock, by his Trust Disposition and Settlement, directed his Trustees to make over the residue of his estate to the University for the purpose of founding a Bursary in connection with the Faculty of Theology to be held by students studying for the Church of Scotland, such Bursary to be known as the John Ferguson Bursary. In January, 1909, the residue (amounting to £2,079 4s. 11d.) was made over, subject to an annuity of £13. The following are the regulations:—

1. The Bursary is open to candidates who hold a degree in Arts in any University in the United Kingdom, and who, being members of the Church of Scotland, are entering on the first session of their Theological study in the University with a view to the Ministry of that Church.

2. The Faculty of Theology shall present to the Senate a reasoned report on the qualifications of candidates, showing in the case of each the distinctions he has gained in his undergraduate course, and the class of Honours with which he has taken his Degree. A preference shall be given to a Graduate with Honours in (1) Ancient Languages or (2) Philosophy.

3. The Senate shall then determine whether, and to whom, the Bursary shall be awarded.

4. The Bursary shall be tenable for three years, and the Bursar shall, during his tenure of it, prosecute the regular course of study for the Degree of B.D., and shall attend a course in each year in at least one Semitic language other than Hebrew.

<sup>1</sup> Vacant through lapse of time.

5. The second moiety of the third year's Bursar shall not be paid to the Bursar until he shall have passed all the examinations required for the Degree of B.D.

6. In the case of a vacancy occurring otherwise than by lapse of time the Senate, after receiving a special report from the Faculty of Theology, may make an appointment for the remainder of the term.

When a vacancy occurs applications, giving the distinctions gained by the candidates, should be sent to the Clerk of the Senate not later than the entry date for the Theological Bursaries Competition.

*Bursar*—John W. Baird, 1915.

**FORFAR BURSARIES (*Arts*).—**Founded by the Countess of Forfar in 1737. The foundation was remodelled by the Universities Commission (1858), by Ordinance of 31st May, 1862, and further regulated by Ordinance No. 79 of the Universities Commission (1889) of date 15th February, 1895. There are now five Forfar Bursaries in the gift of the Senate: the holder of each to receive £38, if the funds allow. These Bursaries are open for competition to all students entering the first or second session of attendance at the University. They are tenable for four years, subject to the condition that the bursar shall proceed through the curriculum in Arts, and shall pass the examinations for the Degree of M.A. If a bursar graduate at the end of three years, he shall only retain his Bursary during the fourth year of tenure if he shall engage in a course of study approved by the Senate in subjects included in the curriculum for Degrees in Arts or in Pure Science. In other respects the provisions of University Court Ordinance No. XXVII. apply to the Forfar Bursaries. The Senate, acting under Section XII. of the said Ordinance, resolved to award four of these bursaries in respect of exceptional distinction in Classics, viz., one each year to a student of the first year who, having passed the Arts Preliminary, has gained the highest marks in Latin and Greek in the Bursary examination and has not obtained a bursary for general excellence.

*Bursars*—Robert A. Muir (Classics), 1913; Harry A. Hayworth (Classics), 1914; William F. Lambert, 1914; John P. Baillie (Classics), 1915.

**FORREST BURSARIES (*Any Faculty*).—**Founded by Mr. William Forrest of Easter Meadowhead, Drumgelloch, and Meadowside, by Deed of Mortification of date 6th March, 1858. The Trust was re-constituted in 1886, under a Scheme of the Educational Endowments Commission. The Bursaries are five in number, each of the annual value of £22, and tenable at the University of Glasgow for such number of years, not exceeding five, as the Governors may determine.

The Bursaries are awarded by competitive examination among young men who require aid in obtaining a University education, and who have been pupils in public or State-aided schools within the parishes of New Monkland, Slamannan, and Shotts, or who are natives of said parishes. Bursars cannot hold another Bursary, must prosecute a course for some degree, and attend at least two classes each session.

Governors—The Provost of Airdrie, the ministers of the parishes of New Monkland, Airdrie, and Clarkston, one representative from each of the School Boards of Airdrie and Clarkston, and one from the School Boards of Slamannan and Shotts alternately, and one appointed by the Sheriff of Lanarkshire. When a vacancy occurs, applications should be lodged with the Secretary, Forrest Trust, Bank Street, Airdrie, before 20th April.

*Bursars*—William Jeffrey, 1914; John Pollock, 1914; Bruce P. Gardner, 1915; George Jamieson, 1915; James Thomson, 1915.

FORRESTER BURSARY (*Arts*).—Founded in 1901 by the Trustees of the late James Forrester, merchant in Airdrie, in accordance with the instructions contained in his Trust Disposition and Settlement. The Trustees are the patrons. The Bursary, which is of the annual value of about £20, and tenable for three years, is open to competitors of either sex, born in the parish of Dunblane or Lecropt, and requiring assistance to enter the University. It will be awarded after public examination of the candidates at the Bursary Competition in connection with the Faculty of Arts in the University of Glasgow. It shall not be held by any Bursar along with any other Bursary or Scholarship whatsoever. If two candidates are found to be equal in merit, the Trustees may divide the Bursary between them. When no candidate of sufficient merit makes application, the Bursary will lapse until the following year. Whenever the Bursary remains vacant for a year or years, the income accumulated will go to increase the Benefit of the first successful applicant, the accumulated interest being spread over the three years of tenure. When a vacancy occurs, applications should be lodged with Alexander B. Barty, LL.B., Writer, Dunblane, before 30th April.

FOUNDATION BURSARIES (*Arts*).—These Bursaries were founded by James VI., in 1577, for students in Languages and Philosophy, and were originally four in number. By ordinance of the Universities Commission (1858) of date 7th June, 1862, these Bursaries were remodelled, and were further regulated by Ordinance No. 84 of the Universities Commission (1889) of date 15th February, 1895. Under the new scheme there are two Foundation Bursaries, the holder of each to receive £20 per annum. They are open for com-

petition to all students entering the first session of attendance at the University, and are tenable for four years. The class attendance of the Foundation bursars is regulated by University Court Ordinance No. XXVII., Sec. III. The Senate, acting under Section XII. of the said Ordinance, have resolved to award these bursaries in respect of exceptional distinction in English, viz., one bursary in alternate years to a student of the first year who, having passed the Arts Preliminary, has gained the highest marks in English in the Bursary Examination and has not obtained a bursary for general excellence. If a bursar graduate at the end of three years, he shall only retain his Bursary during the fourth year of tenure if he shall engage in a course of study approved by the Senate in subjects included in the curriculum for Degrees in Arts or in Pure Science.

*Bursar*—Randolph Murray (English), 1913.

FRANCO-SCOTTISH SOCIETY'S TRAVELLING GRANTS (*Arts*).—The grants will not again be awarded till peace has been declared.

*Hon. General Secretary*—John Smart, LL.B., W.S., 19 York Place, Edinburgh.

*Hon. Secretary of the Glasgow Centre*—D. Baird Smith, LL.B., 205 St. Vincent Street, Glasgow.

FULLARTON OF OVERTON BURSARIES (*Arts*).—By Deed of Mortification and Constitution dated 22nd December, 1877, the Executors of the late John Fullarton, Esq., of Overton, West Kilbride, Ayrshire, in pursuance of his Trust Disposition and Settlement and Codicils, assigned to the Principal and Professors of Glasgow University, as Patrons, the residue of his estate, amounting to £2,604 17s. 7d., for the purpose of founding five Bursaries, more or less, each of the annual value of at least £10, but not exceeding £30. The present annual value to each bursar is £22. The Bursaries are tenable for two years by students in Arts under 25 years of age, belonging to or resident in the district of Cunninghame, in Ayrshire, children of parents whose means and social position are not above those of tradesmen, small farmers, or shopkeepers, or others who may be struggling to secure their better education, and are by themselves, or with such assistance as they may be able to get from their parents or relations, unable to provide for the expenses of a University education. The Bursaries are awarded by competitive examination in Latin, Elementary Mathematics, and English; but no candidate is eligible who has attended any University for more than one session. A Bursary may be divided between two candidates of equal or nearly equal merit, but as between a candidate who has not previously attended any University and a candidate who has so

attended, the former is preferred. A Bursar may attend each session one or more of the classes in the Faculty of Arts, the selection of classes being left to his own option. Any accumulations through vacancies are added to the capital sum. Candidates are required to produce evidence of age.

*Bursars*—Thomson A. Buchanan, 1915; James J. Campbell, 1915; David Macnab, 1915.

WILLIAM GARDINER BURSARIES (*Arts, Medicine*). — William Gardiner, M.D., of Ashton-under-Lyne, by his Settlement, dated 27th September, 1897, directed his Trustees to pay over to the University Court the sum of £1,000, free of legacy duty, for the purpose of founding one or more Scholarships, Bursarships, or Exhibitions, to be devoted to such objects and in such manner as the Court should think fit, preference being given to students of Chemistry, Physiology, and Physics, French and German, and, so far as practicable, to sons of medical men, lawyers, and teachers.

The following regulations were approved by the University Court on 4th October, 1900:—

1. The Bursaries shall be two in number, equal in value, and each tenable for two years.

2. One Bursary shall belong to the Faculty of Medicine, and shall be awarded after the Autumn Professional Examinations in Medicine to the candidate who in the year in which the bursary is open has passed in Physiology of the second professional examination, and whose aggregate of marks in that subject and in Chemistry and Physics of the first professional examination is the highest.

3. The other Bursary shall belong to the Faculty of Arts, and shall be awarded to the student who obtains the highest marks in French and German as subjects of the general Bursary Examination in the year in which the Bursary is open, provided that it shall be in the power of the Senate to award the bursary for decided proficiency shown by a candidate in one of the said languages. The holder of this bursary must attend the French class or the German class in the University, and pass the examination in one or other of these subjects required for graduation in Arts. The second moiety of the second year's Burse shall not be paid until the Bursar shall have passed this examination.

4. Either of the William Gardiner Bursaries may be held along with any other Bursary in the University, if the regulations of that other Bursary permit.

5. The Bursaries shall be open to both men and women, effect being given, *ceteris paribus*, to the preference expressed in the Will of Dr. Gardiner for sons of medical men, lawyers, and teachers.

The present annual value of each is £14.

*Bursars*—Agnes K. Aitken (*Arts*), 1915; John W. Peden (*Med.*), 1915.

**GARTMORE BURSARY (*Arts*).**—In accordance with the directions of the Founder of the Gartmore Medal, the Universities Commission (1889), by Ordinance No. 98, founded this Bursary, a sufficient capital having accumulated from the surpluses of the Foundation. It is open by competition to all students entering on their first year of attendance on a course for graduation in Arts, and is tenable for three years. Value, £22 per annum. In other respects the provisions of University Court Ordinance No. XXVII. apply to the Gartmore Bursary.

**GENERAL COUNCIL BURSARIES (*Arts*).**—Under a scheme originated by the late Mr. David Hannay, Clerk to the General Council, a sum of about £500 (Fund No. I.) was raised by subscription among the members of Council for the foundation of Bursaries to be held for three years, and open to competition to first and second year students in Arts. This fund has now been exhausted. In addition, a sum of £2,382 2s. (Fund No. II.) was raised to form the nucleus of a permanent General Council Bursaries Fund, and invested in the names of Trustees. Of this sum £1,000 is due to the liberality of the late Rev. Wm. Park, D.D., minister of Airth, to be applied in memory of his brother, the Rev. John Park, D.D., minister of Cadder. With Dr. Park's consent, the income of this sum was appropriated to two General Council Park Bursaries of £20 a-year, open to students of either sex who, having passed the Preliminary Examination in Arts, are about to commence their second year of actual attendance at the University. The General Council Park Bursaries are tenable for two years. The remainder of the free income of the fund is devoted to providing bursaries, called the General Council Bursaries, of such number and of such amount as may from time to time be determined by the Trustees. The General Council Bursaries are open to students of either sex on their first entering the University, and are tenable for three years. No candidate shall obtain a General Council Bursary who shall not have passed the Preliminary Examination in Arts, but it is in the power of the Trustees to admit to a General Council Bursary a candidate who has passed in at least three subjects of the Preliminary Examination, on condition that the bursary shall not be retained unless the bursar passes in all the subjects not later than the second Preliminary Examination held after the time of admission. In 1903 and triennially thereafter (1918) one General Council Bursary shall be awarded in respect of special distinction in Dynamics to the student of the first year who, having passed the Arts Preliminary, has gained the highest marks in Dynamics in the Bursary Examination, and has not obtained a bursary for general excellence.

*Bursars*—Elizabeth Dodd, 1914; Francis J. M'Gregor, 1915; Dorothy Wilson, 1915 (Park).



JOHN GIBSON BURSARIES (*Any Faculty*).—Founded in 1877 by Miss Jane Gibson, in memory of her father, John Gibson of Oakbank and Johnstone, merchant in Glasgow. The Bursaries, which may be given to one student, or at most two, consist of the annual proceeds of £1,000. The administration is vested in trustees, who have great discretionary powers as to the conditions on which the Bursaries may be held. Their subsisting resolution is to award the Bursary to a Medical student entering on the third year of his course, and that it be retainable for three years. When a vacancy occurs applications and relative testimonials are to be lodged not later than 1st October with Messrs. A. J. & A. Graham, 198 West George Street, Glasgow, who will furnish forms of application.

*Bursars*—Robert S. France, 1914 ; John Kirk, 1915.

DR. THOMAS GIBSON (ROTHESAY) BURSARY (*Medicine*).—Founded in 1893 in terms of the Trust Disposition and Settlement of Misses Christian and Janet Gibson, who bequeathed £1,000, free of legacy duty for that purpose, in memory of their brother. Present annual value, £36. The Bursary is tenable for four years, and is open to any matriculated student of Medicine (male or female) in the University preparing for service as a Medical missionary in connection with the Church of Scotland, who has completed the first professional examination in the year in which the Bursary is open. The Bursary is awarded to the qualified applicant who has obtained the best marks in the said examination ; but in the case of an equality of marks between two or more candidates, the Senate may hold a further examination to determine to which of such candidates the Bursary shall be awarded. In the case of a casual vacancy, the Senate may appoint for the remainder of the period of tenure any qualified applicant who has shown diligence and proficiency in the earlier part of the curriculum in Medicine. In the event of the Bursary not being awarded in any year or years from lack of qualified candidates, the Senate may, in any subsequent year, if the funds of the Foundation admit, award an additional Bursary for one or more years, not exceeding four. There is a preference, *ceteris paribus*, to students of the name Gibson.

GILCHRIST BURSARY.—See Howison and Gilchrist, p. 426.

GILHAGIE AND STRUTHERS BURSARY (*Theology*).—The Gilhagie Bursary was founded in 1753 by Agnes Gilhagie, widow of William Somerville, merchant in Glasgow, for a student in Divinity. It was tenable for four years, the annual value being £6 6s. In 1624 the Rev. William Struthers founded two Bursaries, each of the annual

value of £6 13s. 4d., for students of Divinity. By Ordinance of the Universities Commission (1858) the two Struthers Bursaries were conjoined into one, tenable for three years, the holder to be M.A., and a student of Divinity. All other restrictions were abolished. By Ordinance No. 82 the Universities Commission (1889) combined the Gilhagie Bursary and the Struthers Bursary into one, called the Gilhagie and Struthers Bursary. The patrons of the joint-bursary are the Magistrates, Town Council, and Ministers of Glasgow, who may present any person without preference as to name, provided that he be a Master of Arts of a Scottish University. The Bursary is tenable for three years, and no longer, subject to the condition that the bursar shall during that period give regular attendance as a student of Theology in the University of Glasgow. When a vacancy occurs, applications are to be lodged with the Town Clerk, City Chambers, not later than 10th August.

GLASGOW CITY EDUCATIONAL ENDOWMENTS BURSARIES (*Arts, etc.*).—Under Scheme 10 of the Educational Endowments (Scotland) Commission, approved by Her Majesty in Council, on 19th May, 1885, the Governors of the Glasgow City Endowments Board were instructed to apply the annual sum of £500 in establishing Bursaries at the University of Glasgow. The conditions that were attached to these Bursaries are given in previous editions of the *Calendar*. By a modification of the scheme, obtained, with the consent of the Scotch Education Department, from the Court of Session on 22nd Dec., 1910, the Governors are instructed to apply (1) an annual sum of £400 in Bursaries of the yearly value of £25, or such other amount as the Governors may from time to time determine, and (2) an annual sum of £250 in Bursaries of the yearly value of £50 for Teachers in Training. The Bursaries named under (1) are awarded by competitive examination among those who have attended public or State-aided schools in Glasgow, and who require aid in obtaining a University education. They are tenable for four years. Forms of application may be had from the Secretary of the Board—Mr. W. H. Macdonald, Hutchesons' Buildings, 158 Ingram Street—and should be lodged with him before 30th April in each year. The names of candidates who are found to possess the prescribed qualifications will be sent by him to the Registrar that they may be entered at the University competition for Bursaries for the first year. The Bursaries will be awarded to those candidates highest in order of merit who fail to win a Bursary at the general competition.

The regulations of the Bursaries named under (2) are as follow :

1. There shall be five Bursaries, each of the annual value of £50, and each tenable for two years while the holder is pursuing a

course for the Degree of M.A. with Honours, or of B.Sc. in Pure Science.

2. The Bursaries shall be awarded in the following order: In May, 1910, and thereafter at intervals of four years, one Bursary in each of the following Groups of Honours, viz.; (1) Any group containing Latin; (2) any group containing French; (3) any group containing Mathematics for M.A., or as a principal subject for B.Sc. in Pure Science. In May, 1911, and thereafter at intervals of two years: (1) One Bursary in any group of Honours containing English; (2) one Bursary in a course leading up to a Degree in Pure Science, including in the final examination at least one of the following as a principal subject: Botany, Zoology, Geology. In May, 1912, and thereafter at intervals of four years, one Bursary in each of the following groups of Honours, viz.: (1) Any group containing Greek; (2) any group containing German; (3) any group containing Natural Philosophy for M.A., or as a principal subject for B.Sc. in Pure Science.

3. Students of either sex who for three years, as University students, have been under the charge of the Glasgow Provincial Committee for the Training of Teachers are eligible for appointment to these Bursaries.

4. The Bursary shall be awarded on the report of the Special Bursaries Committee of the Glasgow Provincial Committee after a consideration by them of the record of the candidates, and shall be given in each case to the candidate who, in their judgment, has shown the greatest merit in the subject or subjects in which he intends to specialise with a view to Honours or a Science Degree.

5. The Bursaries shall be paid in two moieties in each year, the first after the Christmas holidays, and the second at the close of the session, on presentation of precepts signed by the Principal of the University. The first moiety in the first year shall not be paid to the Bursar until he produces a certificate bearing that he has attended or is attending an Honours class in the group in connection with which he has been appointed to the Bursary; and the second moiety in the second year shall not be paid until the Bursar has obtained the Degree of Master of Arts with Honours, or of B.Sc. in Pure Science, in the group in connection with which he holds the Bursary.

6. If in any year a Bursary allocated to any group be not awarded, the Governors may award it to a qualified candidate in another of the said groups, but the rotation established by the second regulation shall be maintained in the following years.

7. None of these Bursaries shall be tenable along with any other Bursary.

*Bursars*—Alexander J. Boyd, 1913; John Burt, 1913; Edward J. B. Lloyd, 1913; David G. Wylie, 1913; Dorothy M. Brelsford,

1914; Muriel I. Macdonald, 1914; Andrew H. Miller, 1914; Mary W. Ramsay, 1914; Robert C. Hamilton, 1915; Duncan L. Munro, 1915; Janet S. Sloan, 1915; John Wardrop, 1915.

*Teachers in Training*—<sup>1</sup>William Allan, 1914; <sup>1</sup>Alexander R. Davidson, 1914; <sup>1</sup>Margaret S. C. Sturrock, 1914; Hugh W. Ewing, 1915; Marion E. F. MacWilliam, 1915.

GEORGE GRANT BURSARY (*Arts*).—Founded in 1885 by Miss Susan Smith Grant of West Thorn, Lauder Road, Edinburgh, in memory of her father, George Grant, Esq., cotton spinner, Mile-End, Glasgow. Miss Grant assigned and conveyed to the Senate the sum of £1,200 in trust, to be applied in all time coming for providing one Bursary in connection with the Faculty of Arts. Miss Grant retains the right of nomination to the Bursary during her lifetime, but has provided that in the event of her failing or declining to nominate, and in all cases after her death, the Bursar shall be determined by competitive examination of first year students who are entering on a three or four years' course of study, and the Bursary shall be tenable for three or four years accordingly. On the Bursary falling vacant otherwise than by lapse of time, an appointment may be made for the remainder of the term, or for the full period after competition. The Bursar is required to graduate in Arts, and before payment of the second moiety of the last year's Bursary he must produce evidence that he has taken his degree, or that he has passed all the examinations necessary for graduation. Any accumulations from vacancies or otherwise are to be added to the capital sum. The present annual value is £40.

GEORGE GRANT, JUNIOR, BURSARY (*Arts*).—Founded in 1885 by Mrs. Agnes Grant or Mair, wife of the Rev. John Mair, D.D., minister of the parish of South Dean, Roxburghshire, in memory of her brother, the late George Grant, junior, cotton manufacturer, Mile-End, Glasgow. Mrs. Mair, with the advice and consent of her husband as her curator and administrator-in-law, and for his interest in the premises, assigned and disposed to the Senate the sum of £1,200 in trust, to be applied by them in all time coming for providing one Bursary in connection with the Faculty of Arts. Mrs. Mair reserved to herself during her lifetime, and thereafter to her husband, should he survive her, the right to nominate to the Bursary, and to fix the classes to be attended by the Bursar and the period of his tenure. Mrs. Mair died on 27th November, 1900, and Dr. Mair on 27th January, 1902. The Bursary is tenable for four years, and the Bursar is selected by competitive examination of first year students. In the event of a vacancy occurring otherwise than by lapse of time an appointment may be made for the remainder of the term, or for the full period after competition.

<sup>1</sup> Vacant through lapse of time.

The Bursar is required to graduate in Arts, and before payment of the second moiety of the last year's Bursary must produce evidence that he has taken the degree, or that he has passed all the examinations necessary for graduation. Any accumulations through vacancies or otherwise are to be added to the capital sum. The present annual value is £40.

*Bursar*—James Paterson, 1915.

HAMILTON BURSARIES (*Three in Arts, and Three in Theology*).—These Bursaries, now six in number, were founded by Anne, Duchess of Hamilton, in 1694. They were regulated by Act of Parliament, 1758, and further regulated by Ordinance No. 96 of the Universities Commission (1889). There are three Hamilton Bursaries in the Faculty of Arts, and three in the Faculty of Divinity, and each of them is tenable for three years, and no longer. The bursars in the Faculty of Arts shall attend such classes qualifying for graduation in Arts and in such order as may be approved by the Senate. In other respects the provisions of University Court Ordinance No. XXVII. apply to the Bursaries on this Foundation. The bursars in Arts receive £20, those in Divinity £25 per annum each, should the state of the funds permit. The patronage lies with the Trustees of the late Duke of Hamilton, and is exercised by their Commissioner, George Dalziel, Esq., 66 Queen Street, Edinburgh, to whom applications should be sent on or before the tenth day of August. (One vacancy in Arts, and one in Divinity.)

*Bursars in Arts*—<sup>1</sup>Robert M'Kenzie, 1913; Donald Martin, 1914; George M. Cardow, 1915.

*Bursars in Theology*—<sup>1</sup>David Laird, 1913; Frank Robertson, 1914; William Barclay, 1915.

HAMILTON EDUCATIONAL TRUST BURSARIES (*Arts*).—Under scheme 39, section 28, of the Educational Endowments (Scotland) Commission, approved by Her Majesty in Council on 13th May, 1887, the Governors of Hamilton Educational Trust are instructed to apply a sum, not less than £50 yearly, in providing University or Technical College Bursaries. These Bursaries, each of the yearly value of £20, and tenable for three years, are open to be competed for by pupils attending public or State-aided schools in the burgh and parish of Hamilton, who require aid in obtaining a University or higher education. The Governors reserve power to withhold or withdraw the Bursary in whole or in part on the applicant or bursar being appointed to any other bursary. Applications to be lodged with Patrick Keith, Esq., Hamilton, Clerk of the Trust, before 30th April.

*Bursars*—James S. Somerville, 1914; Alexander M'Arthur, 1915; Malcolm Brown, 1915.

<sup>1</sup> Vacant through lapse of time.

**HANNAY BURSARIES** (*Arts*).—Three in number, founded in 1865 by the late Mr. Anthony Hannay, merchant, Glasgow, in memory of his deceased wife. To be awarded to young men, not under fourteen and not above nineteen years of age, who are about to commence their studies in the Arts classes, with a view to the Holy Ministry in connection with any of the Evangelical Religious Denominations in Scotland, and who shall engage to attend during each of the first three years of the curriculum not fewer than two classes. The principal qualifications of those to be selected are good moral character, promising talent, a fair preliminary education, and a want or deficiency in the necessary pecuniary means for pursuing a University education. Candidates for these Bursaries are required to submit themselves to the annual Bursary Examination in the University of Glasgow, or such other examination as the trustees may appoint; but the result of said examination shall only be taken as one of the tests in judging of the merits of the applicants. The Bursaries to be bestowed for three years—one to be given each year. Value, about £15 per annum each. The appointment is vested in the Principal, the Dean of the Faculty of Procurators in Glasgow, and the President of the Royal Faculty of Physicians and Surgeons in Glasgow. Applications to be made to Mr. William Brodie, 77 St. Vincent Street, Glasgow, before 30th April.

*Bursars*—David O. Marshall, 1914; Robert S. Donaldson, 1915.

**HART BURSARIES** (*Any Faculty*).—Mrs. Janet Robinson or Hart by her Trust Disposition and Settlement, dated 29th March, 1895, directed that one-third of the residue of her estate should be devoted to establishing in the College of Glasgow one or more Bursaries, each of an annual value not exceeding £30, and tenable for five years. The Patrons are the Provost of Girvan, the Junior Magistrates of Girvan, the Chairman of the School Board of the Burgh of Girvan, and their successors in office, with Mr. David Andrews, Solicitor, Girvan. The Patrons were enjoined to prefer in the first place students born in the Parish of Girvan, and failing such, those born in Ayrshire, and to adopt such means as they think necessary to satisfy themselves that the students to be presented are qualified to enter the College. For further information apply to Messrs. W. and D. Andrews, Solicitors, Girvan.

*Bursars*—James Blair, 1912; James Hill, 1913.

**HASTIE BURSARIES** (*One in Arts and Two in Theology*).—The Rev. Mr. Hastie, by Deed of Mortification dated 5th September, 1707, founded a Bursary for a student in this University, which was first awarded in 1718. By an addition afterwards made to the foundation, the number of Bursaries was increased to three, two in Divinity and one in Philosophy.

The Universities Commission (1858), in an Ordinance of date 31st May, 1862, made regulations for these Bursaries, and further regulations were made by the Commissioners (1889) in Ordinance No. 90. There are now three Bursaries on this Foundation, each £27 in value—one in Arts and two in Theology. The Bursary in Arts is open by competition to all students entering on their first session of attendance in the Faculty of Arts, and is tenable for four years, but if a student graduate at the end of three years, he shall only retain his Bursary for the fourth year of tenure if he shall engage in a course of study approved by the Senate in subjects included in the curriculum for Degrees in Arts or in Pure Science. The Bursaries in Divinity are open by competition to all students who are Masters of Arts, or who have passed all the examinations necessary for graduation in Arts, and who are entering on their first session of attendance in the Faculty of Divinity. They are tenable for three years, and no longer. In other respects the provisions of University Court Ordinance No. XXVII. apply to all the Hastie Bursaries. The Senate, acting under Section XII. of the last-mentioned Ordinance, have resolved to award the Hastie Bursary in Arts in respect of exceptional distinction in English, to a student of the first year who, having passed the Arts Preliminary, has gained the highest marks in English in the Bursary Examination, and has not obtained a bursary for general excellence.

*Bursar in Arts.*—Violet P. Fulton, 1914.

*Bursars in Theology*—<sup>1</sup> Hugh M. Scott, 1913 ; Andrew E. Hart, 1915.

HIGHLAND SOCIETY (GLASGOW) BURSARIES (*Arts and Medicine*).—In 1892 the Managers of the Glasgow Highland Society framed a scheme of Scholarships and Bursaries for students of Highland descent. The scheme includes Scholarships tenable at Secondary or Technical Schools, and Bursaries tenable at the Royal Technical College, Glasgow, and at the University. The Bursaries may be held by men or women in a proportion to be determined by the Managers. The University Bursaries in Arts are seven in number, each of the annual value of £20, and tenable for three years in the Faculty of Arts, but the continuance of a Bursary in the second and third year is dependent on the character of the certificates obtained by a Bursar in his classes in the previous year. They are awarded by competition among students of the first year. The Bursaries in Medicine, each of the annual value of £25, are tenable for five years in the University, or any other College approved by the managers. Candidates must pass the preliminary examination of the College at which they desire to attend, and the managers

<sup>1</sup> Vacant through lapse of time.

reserve to themselves the right to appoint the most suitable. As a rule there are two Bursaries in Arts and two in Medicine open to competition each year. Forms of application may be obtained before 30th April from the Secretary, Mr. Hugh Brown, C.A., 58 St. Vincent Street.

*Bursars in Arts*—John N. Macdonald, 1914 ; Alexander Urquhart, 1914 ; Maggie M. King, 1915 ; Allan Maclean, 1915.

*Bursars in Medicine*—Grace L. Hunter, 1912 ; Donald J. MacKinnon, 1912 ; Duncan M. Blair, 1913 ; Alice M'Glashan, 1913 ; Elizabeth P. Cameron, 1914 ; Duncan M'Gilvray, 1914 ; Arthur Browning, 1915 ; Charles Glen, 1915.

**HILL BURSARIES** (*Arts, etc.*).—Six Bursaries of the annual value of £20 each, tenable for three years. Of these Bursaries, two will be open for competition each year, and shall be held either at the University of Glasgow, or at the Royal Technical College, Glasgow. The Bursaries shall be awarded on the results of the Bursary Competition of the University of Glasgow or the Preliminary Examination for the Diploma of the Technical College, and shall be open to pupils attending the secondary departments of public or State-aided schools in the district of the School Board of the Parish of Govan who shall be approved by the Governors of Hill's Trust, and whose parents are in such circumstances as to require aid in giving their children higher education or technical instruction. Secretary, Mr. Richard D. Donaldson, 155 Bath Street, Glasgow, to whom in case of a vacancy application should be made before 30th April.

*Bursars*—Dora H. Macqueen, 1914 ; David Russell, 1915 ; Margaret C. Mackie, 1915.

**HOWISON AND GILCHRIST BURSARY** (*Arts*).—In 1613 the Rev. John Howison, Minister of Cambuslang, founded a Bursary for a qualified scholar of honest name and good report, son of a craftsman of Glasgow. Failing the son of a craftsman of Glasgow, any other qualified scholar might be selected by the Patrons. Mr. John Gilchrist, tailor in Glasgow, founded in 1700 a Bursary in Philosophy for a student, being the son of a tradesman freeman in the burgh of Glasgow, with a preference to the names Gilchrist, Bryce, and Boyd.

By Ordinance No. 89 the Universities Commission (1889) combined these two Bursaries into one, called the Howison and Gilchrist Bursary. The Patrons are the Trades' House of Glasgow, and any person may be presented without restriction as to birth or preference as to name. The Bursary is tenable for four years, but if a bursar graduate at the end of three years he shall only retain his Bursary during the fourth year of tenure if he shall engage in a course of study approved by the Senate in subjects included in the curriculum for Degrees in Arts or in Pure Science. In other



respects the provisions of University Court Ordinance No. XXVII. apply to this Bursary. Value £10 per annum.

*Bursar*—Elizabeth McCallum, 1915.

THOMAS HUTCHESON BURSARY (*Theology, Law, or Medicine*).—This Bursary, formerly known as the Old Library Bursary, was founded by Mr. Thomas Hutcheson of Lambhill in 1641. Preference was given to a son of a burgess, particularly one of the name Hutcheson or Herbertson. The Patrons are the Magistrates and Town Council of Glasgow. Ordinance No. 83 of the Universities Commission (1889) prescribes that the Bursary shall be called the Thomas Hutcheson Bursary, and that it shall be lawful for the Patrons to appoint to it, without preference as to name or birth, any Master of Arts who is entering on his course of study in any one of the Faculties of Divinity, Law, or Medicine. The Bursary is tenable for four years, but if a bursar in Divinity graduate at the end of three years, he shall only retain his Bursary during the fourth year of tenure if he shall engage in a course of study in Divinity approved by the Senate. Value £11 2s. 2½d. per annum. When a vacancy occurs, applications are to be lodged with the Town Clerk, City Chambers, not later than 10th August.

*Bursar*—John Strathern, 1914.

HUTCHESONS' EDUCATIONAL TRUST BURSARIES.—Under Scheme 9, Section 40, of the Educational Endowments (Scotland) Commission, approved by Her Majesty in Council on 5th March, 1885, the Governors of Hutchesons' Educational Trust are instructed to apply an annual sum of not less than £400 in establishing University or Technical College Bursaries. These Bursaries, each of the yearly value of £20, and tenable for four years, are open to be competed for by boys who have attended Hutchesons' Grammar School for at least two years immediately preceding the competition, and completed the curriculum in the Secondary Department. Forms of application may be had from the Secretary of the Trust—Mr. W. H. Macdonald, Hutchesons' Buildings, Ingram Street—and should be lodged with him before 30th April in each year. The names of candidates who are found to possess the prescribed qualification will be sent by him to the Registrar that they may be entered at the University competition for Bursaries for the first year. The Bursaries will be awarded to those candidates highest in the order of merit who fail to win a Bursary at the general competition.

*Bursars*—Alan Aitken, 1913; Thomas Hutchison, 1913; Walter Jope, 1913; John Muir, 1913; Robert J. Peters, 1913; Julius Diamond, 1914; William Duff, 1914; Charles Hogg, 1914; Andrew M. Robertson, 1914; David W. Tobias, 1914; Jacob Hurwich, 1915; William M'Lachlan, 1915; James Nairne, 1915; Jacob Shulman, 1915; Duncan M. Stewart, 1915.

HYNDFORD AND ROSS BURSARY (*Arts*).—In 1617 Mr. Michael Wilson founded a Bursary, called the Hyndford Bursary, for a student in Philosophy. The right of presentation belonged to the representative of Sir James Carmichael, viz., Sir W. C. Anstruther, Bart. In 1659 Captain William Ross of Rosseyle founded the Ross Bursary for a student in Languages and Philosophy. The appointment was vested in the Earl of Glasgow. By Ordinance No. 95 of the Universities Commission (1889), these two Bursaries were combined into one, to be called the Hyndford and Ross Bursary. It is tenable for four years, but if the bursar graduate at the end of three years he shall only retain his Bursary during the fourth year of tenure if he engage in a course of study approved by the Senate in subjects included in the curriculum for Degrees in Arts or in Pure Science. The patronage of the Bursary is vested in Sir W. C. Anstruther, Bart., and his heirs, and the Earl of Glasgow and his heirs, who exercise their right of presentation by turns. The appointment in 1913 belonged to the former. In other respects the provisions of University Court Ordinance No. XXVII. apply to the Bursary. Value £10 16s. 8d.

*Bursar*—John H. McInnes, 1913.

JOHN FERGUSON JAFFREY BURSARY IN MENTAL PHILOSOPHY (*Arts*).—This Bursary, founded in 1877, is of the annual value of £32, and shall be awarded to a student on entering the third session of his attendance, i.e. a student who has attended at any of the Scottish Universities during each of the two previous sessions at least two classes in the Faculty of Arts other than the classes of Logic, Moral Philosophy, and English Literature, or who having passed the Preliminary Examination in Humanity and Greek, has attended for one session the higher classes in those subjects, and who proposes to attend in the following sessions the classes of Logic, Moral Philosophy, and English Literature. Candidates are examined in such subjects in Logic as may be fixed by the Senate. The examiners are the Professors of English Literature, Logic, and Moral Philosophy. The Bursary shall, as a rule, be tenable for two years, but on condition that the Bursar, during the two years of his tenure, shall complete his attendance on the classes of Logic, Moral Philosophy, and English Literature, and shall also attend one at least of the advanced classes taught by the Professors of Logic and Moral Philosophy, and shall pass the examinations in Logic, Moral Philosophy, and English Literature for graduation in Arts. The subjects of examination are—(a) Descartes, *Meditations* (Veitch's translation); (b) Zeller's *Socrates and the Socratic Schools*.

ROBERT JOHNSTONE (OCHILTREE) BURSARIES (*Any Faculty*).—Founded by the late Mr. Robert Johnstone, of No. 9 Breadalbane

Street, Glasgow, who directed his Trustees to apply the residue of his estate in founding one or more bursaries, tenable for three years, to assist students at Glasgow University qualifying for a profession. The Trustees are Patrons, and in exercising their power of presentation preference is to be given to students born in the parish of Ochiltree, the testator's native parish, or to immediate descendants of parents born there, whom failing, to students from adjoining parishes. Estimated free annual income, about £15. Applications to be made to Mr. D. B. Mungo, LL.B., writer, 137 West Regent Street.

**MALCOLM KERR BURSARIES** (*Science, etc.*).—Two in number, founded in 1874, and consisting each of half the free annual proceeds of a sum of £1,000, bequeathed by the late Mr. Malcolm Kerr, stationer in Glasgow. One of the Bursaries is in Natural Philosophy, the other in Chemistry. The Bursaries are given on examination, and are tenable for three years, provided the Bursars continue for so long to prosecute in the University Laboratories, to the satisfaction of the Senate, the study of Natural Philosophy and Chemistry respectively. The subjects of examination in Natural Philosophy are the same as those for that subject in the examination for the ordinary degree of M.A., and in Chemistry, the same as those for the Final Science Examination for B.Sc. Present value, £25 to each Bursar.

*Bursars*—Robert F. Blades (Nat. Phil.), 1914; Andrew Stewart (Chemistry), 1914.

**THE KINTYRE (KER) BURSARY** (*Any Faculty*).—This Bursary founded in 1862 by Robert Ker, Esq., of Auchinraith, mercant in Glasgow, originated in the Founder's desire "to increase the opportunities of acquiring knowledge to the natives of Kintyre."

The Office-bearers of the Kintyre Club were appointed Patrons. By the Deed of Mortification, the free proceeds of a sum of £500 sterling—about £20 sterling—were appointed to be paid to a student to be nominated by them, and who should enjoy the said Bursary for the term of three years while prosecuting his studies at the Glasgow University, with power to the Patrons to determine, in every case, whether the Bursary should be granted for a longer or shorter period than three years, but in no instance is it to be granted for a longer period than four years to the same student. No restriction is placed upon the student as to his profession or calling. Applicants must be connected with Kintyre, and be entering the University for the first time. When a vacancy occurs applications should be lodged with the Honorary Secretary of the Kintyre Club, R. Harvey Pirie, LL.B., 173 St. Vincent Street, Glasgow, on or before 10th June.

*Bursar*—Neil MacCallum, 1913.

**THE KINTYRE (ALEXANDER LOVE) BURSARY** (*Any Faculty*).—This Bursary was founded in 1890 by the family of the late Alexander Love of Campbeltown, and the fund was augmented by them in 1915. It now consists of the free proceeds of a sum of £500 sterling—estimated at £20—and is administered by the Office-bearers of the Kintyre Club. The Bursar must be a native or the child of a native of Kintyre, and entering upon a first session at the University. The bursar's circumstances must be such as to render aid important. The period of tenure is not to exceed four years. When a vacancy occurs application should be made to the Hon. Sec. of the Kintyre Club, R. Harvey Pirie, LL.B., 173 St. Vincent Street, Glasgow, on or before 31st May.

*Bursar*—Sarah C. Fisher, 1915.

**LAING BURSARY OR BURSARIES (Arts)**.—The late Alexander Laing LL.D., some time Professor of Mathematics in Anderson's College Glasgow, who died in 1882, bequeathed to trustees the sum of £500 to found one or two Bursaries in the Faculty of Arts. The trustees by a deed dated 26th July, 1883, conveyed to the Senate the sum of £500 of the preference 4 per cent. stock of the Glasgow and South-Western Railway Company, under certain conditions and regulations. The foundation is for providing, in the option of the Senate, one Bursary of £20, or two of £10 each. The Bursary is open to competition to all students entering on their first session in the Faculty of Arts (a preference being given, *cæteris paribus*, to natives of Brechin). The period of tenure is three years. Should the Bursary become vacant otherwise than by lapse of time, the income of the fund during the vacancy is to be added to capital.

*Bursar*—Alexander J. Younger, 1914.

**JAMES LAING BURSARIES (Arts)**.—Founded in 1892, under the Trust Disposition and Settlement of Mr. James Laing, Writer, Denny. So far as the funds admit, the Trustee appoints annually to two Bursaries, each of the annual value of £25, and tenable for four years. They are open to candidates of either sex who have been educated for at least three years in any school or schools in the County (including the Burgh) of Stirling, and who are entering upon their first or second year of study in the University of Glasgow. Applications with certificates of qualification and good conduct from the teacher or teachers under whom candidates have been educated, should be lodged with Messrs. A. & J. Jenkins, Solicitors, 80 Port Street, Stirling, before 30th April. The names of candidates who are found qualified will be sent by them to the Registrar that they may be entered at the University competition for Bursaries. Failing candidates qualified as above, the Bursaries are open to competition to students of the first or second year from any part of Scotland.

*Bursars*—Samuel Weir, 1913; Robert C. Smith, 1913; James Crawford, 1914; John McGregor, 1914; Elizabeth B. Scott, 1915; Annie D. Taylor, 1915.

**LAMB BURSARY** (*Arts or Theology*).—Founded in 1863 by the late Rev. Dr. William Lamb, minister of Carmichael, and appropriated to a student in Arts or Divinity. Bursar appointed by the Minister and Kirk Session of Carmichael. The preference to applicants in the parish of Carmichael or Pettinain, and the restriction to applicants from the Presbytery of Lanark, were cancelled by Ordinance No. 57 of the Universities Commission (1889). Value, about £12 per annum.

**LANFINE BURSARIES** (*Arts*).—By the will of the late Miss Martha Brown of Lanfine a sum of £5,000 was bequeathed in 1902 to this University, "to be applied in payment of Bursaries tenable for not more than four years, of not less than £25 and not exceeding £40 each per annum, to be held by students who have passed a competitive examination in classes connected with the Faculty of Arts under such conditions as the Principal and Senatus of Glasgow may from time to time prescribe, the said Bursaries to be called the Lanfine Bursaries."

The following regulations were adopted by the Senate on 19th February, 1903:—

1. There shall be six bursaries, each of the annual value of £27, and each tenable for two years:

2. They shall be held by students of either sex who, having passed the full Preliminary Examination in Arts, are pursuing a course for graduation with Honours.

3. Three bursaries shall be awarded annually in the following alternating order:—In April, 1904, and thereafter biennially (1918), one bursary in each of the following Groups of Honours, viz. Mental Philosophy, Modern Languages, English; in April, 1905, and thereafter biennially (1917), one bursary in each of the following Groups of Honours, viz. Economic Science, History, Semitic Languages.

4. (a) Candidates for the bursary in Mental Philosophy must be attending the ordinary class in Logic or in Moral Philosophy, and the bursary shall be awarded to the candidate who, in the year of competition, is highest in the honour list of the Ordinary Logic Class at the first vacancy (1904), of the Ordinary Moral Philosophy Class at the second vacancy (1906), and so on alternately.

(b) dates for the bursary in Modern Languages must be attending the ordinary class in French or in German, and the Bursary shall be awarded to the candidate who, in the year of competition, is highest in the honour list of the Ordinary French Class at the first vacancy (1904), of the Ordinary German Class at the second vacancy (1906), and so on alternately.

(c) Candidates for the Bursary in Semitic Languages must be attending the ordinary class in Hebrew or in Arabic, and the Bursary shall be awarded to the candidate who, in the year of competition, is highest in the honour list of the ordinary Hebrew Class at the first vacancy (1909), of the ordinary Arabic Class at the second vacancy (1911), and so on alternately ; provided always that if no candidate shall present himself in Hebrew the Bursary may be held by a student attending the ordinary Arabic Class, and *vice versa*.

(d) Candidates for the bursaries in English, Economic Science, and History must be attending the ordinary classes in English, Political Economy, and History, respectively, and the bursary in each case shall be awarded to the candidate who, in the year of competition, is highest in the honour list of the class which, as a candidate, he is required to attend.

5. The first moiety of each bursary shall not be paid to the bursar until he produces a certificate bearing that he is attending an Honours Class in the Group in connection with which he has been appointed to the bursary ; and the last moiety of each bursary shall not be paid to the bursar until he has obtained the Degree of Master of Arts with Honours in the Group in connection with which he holds his bursary.

6. If in any year bursaries allocated to any of the above Groups are not awarded, such bursaries shall, in the succeeding year, be open to competition in the Groups of (a) Classics and (b) Mathematics and Natural Philosophy, and the award shall be made on the same principles as in the case of the bursaries in Mental Philosophy and Modern Languages.

7. A Lanfine Bursary shall not be held along with another bursary.

*Bursars*—Katharine H. Mellor (Econ. Sc.), 1915 ; Elizabeth C. Knox (History), 1915.

**LEADBETTER BURSARY (Arts).**—This Bursary was founded in 1855 by Mr. John Leadbetter, merchant, Glasgow. It was made tenable for four years, and the classes to be attended by the Bursar in each of the four years were prescribed. A preference was given to boys who had attended the five years' Classical Course of the High School of Glasgow. Patrons—The Lord Provost and Magistrates. Ordinance No. 88 of the Universities Commission (1889) empowers the Patrons to present to the Bursary any person who has completed the five years' Classical course of the High School of Glasgow, whom failing, any person, without restriction as to parentage, who has received a similar classical education elsewhere. The Bursar must attend the Latin and Greek classes in the University during at least one year, and thereafter continue a course of study

in the University necessary for the Degree of Master of Arts. The Bursary is tenable for four years, but if the holder graduate at the end of three years he shall only retain his Bursary during the fourth year of tenure if he shall engage in a course of study approved by the Senate in subjects included in the curriculum for Degrees in Arts or in Pure Science. In other respects the provisions of University Court Ordinance No. XXVII. apply to this Bursary. When a vacancy occurs, applications are to be lodged with the Town Clerk, City Chambers, before 30th April.

*Bursar*—William S. Calderwood, 1914.

ARCHBISHOP LEIGHTON BURSARY (*Arts and Theology alternately*).—Robert Leighton, Archbishop of Glasgow, founded in 1681 two Bursaries, which were tenable for four years in Philosophy, and two or three years in Divinity. By Ordinance No. 86 of the Universities Commissioners (1889), the two Bursaries were combined into one of the annual value of £18, to be called the Archbishop Leighton Bursary. An appointment is made of a Bursar in the Faculty of Arts, and at the end of his period of tenure an appointment in the Faculty of Divinity, and so on alternately, the period of tenure in each case being three years, and a person who has held the Bursary in Arts being eligible for appointment also in Divinity. The appointment in 1916 will be for three years in Divinity. The provisions of University Court Ordinance No. XXVII. apply to this Bursary. When a vacancy occurs, two students are nominated by the Town Council, and examined by the Senate, who prefer the best scholar. When a vacancy occurs applications must be lodged with the Town Clerk, City Chambers, Glasgow—if in Arts, before 30th April; if in Theology, before 10th August.

*Bursar*—<sup>1</sup>John E. Stewart, 1913.

JOHN LEYDEN BURSARY (*Arts*).—Founded in 1879 by the Glasgow Border Counties Association in memory of John Leyden, poet and scholar. The Fund consists of the sum of £429 3s. 8d. raised by subscription, the annual value being about £14. The Bursary is open to free competition under the same regulations as the competition Bursaries in the University. Tenable for three years. The holder to pass through the Arts course, and at the termination thereof to take the Degree of M.A.

*Bursar*—Thomas Taig, 1914.

JAMES LOCHHEAD BURSARY (*Arts*).—Founded in 1886 in terms of the Trust Disposition and Settlement of Mrs. Robina Mitchell, who bequeathed £500 for that purpose, in memory of her brother, who died in Ohio. A preference is given to students of the name of

<sup>1</sup> Vacant through lapse of time.

Lochhead, whose parents are members of the Established Church of Scotland, whom failing, to students whose parents are members of the said Church. The Bursary is tenable for three years in the Faculty of Arts, and is of the annual value of £17.

LOCHHEAD AND MITCHELL BURSARIES (*Arts*).—Two in number and of equal value, founded in 1886, in terms of the Trust Disposition and Settlement of Mrs. Robina Mitchell, who bequeathed £2,000 (free of legacy duty) for that purpose. The present annual value is £34 to each bursar. A preference is given to students of the name of Mitchell or Lochhead, whose parents are members of the Established Church of Scotland, whom failing to students whose parents are members of the said Church. They are tenable for four years in the Faculty of Arts.

*Bursar*—John M. Lothian, 1914.

LOGAN BURSARIES (*One in Theology and One in Medicine*).—Two in number, one in Divinity and one in Medicine, founded in 1863, by Mrs. Logan, widow of Mr. William Logan, tinsmith in Glasgow. The Bursary in the Faculty of Divinity is tenable for three years, and the one in the Faculty of Medicine for four years. The subjects of examination for the Logan Bursary in Medicine are—1. English; 2. Latin; 3. Mathematics; 4. Greek or French or German; and the examination papers are those of the Bursary Examination held in June. The preference to the names Logan and Johnstone was cancelled by Ordinance No. 57 of the Universities Commission (1889). The value of each is £16 per annum. Appointment by the Senate.

*Bursar in Theology*.—<sup>1</sup> John M. Smith, 1913.

*Bursar in Medicine*—(Vacant).

LORIMER BURSARIES (*Four in Theology, Four in Medicine, and Eight in Arts*).—By Trust Disposition and Settlement of date 17th October, 1872, the late Mr. John Lorimer, merchant in Glasgow, directed his Trustees to make over to the Principal and Professors of the University of Glasgow, the residue of his estate, amounting to the sum of £8,594 5s. 5½d., the annual proceeds of £5,000 thereof to be applied in payment of Bursaries of an amount not exceeding £50 each, and tenable for three years. One Bursary at least is to be payable to a matriculated student of each of the following subjects:—1, Theology; 2, Medicine; 3, Philosophy; 4, Mathematics; and the proceeds of the remainder of such residue are to be applied in payment of smaller Bursaries tenable by students of the above-mentioned subjects.

<sup>1</sup> Vacant through lapse of time.



The following regulations have been adopted by the Senate :—

1. The Bursaries shall be sixteen in number—namely, eight of the annual value of £25, and eight of the annual value of £17, and shall be tenable for three years.

2. Four Bursaries—viz., two at £25, and two at £17 shall be held by Students of Theology, and shall be open to competition to students entering the Divinity Hall. The second moiety of the third year's Bursar shall not be paid until the Bursar shall have passed the examinations for the degree of B.D.

3. Four Bursaries—viz., two at £25, and two at £17, shall be held by Students of Medicine, and shall be open to competition to students who have attended the first session of their professional study in the University of Glasgow. The subjects of examination, which shall be prescribed by the Faculty of Medicine, are Elementary Anatomy, Elementary Chemistry, and Botany. The examinations are held at the same times as the Autumn Professional Examinations in these subjects, and, in the case of Chemistry and Botany, on the same papers. The second moiety of the third year's Bursar shall not be paid until the Bursar shall have passed his Third Professional Examination for the degree of M.B.

4. Four Bursaries—viz., two at £25, and two at £17, shall be open for competition to students who, having passed their whole Preliminary Examination, are entering on their second session of attendance, and who, not having attended the classes of Logic, Moral Philosophy, and English Literature, propose to attend these classes in the following sessions. Candidates shall be examined in such subjects in Logic as may be fixed by the Senate. The Examiners shall be the Professors of English Literature, Logic, and Moral Philosophy. Each Bursar must attend two classes in the Faculty of Arts. Immediately on his appointment, he must enter one or more of the classes of English Literature, Logic, and Moral Philosophy, and in the course of his tenure of his Bursary must attend, besides the above classes, one or more of the Honours classes in English Literature, Logic, or Moral Philosophy. The second moiety of the third year's Bursar shall not be paid until the Bursar shall have passed examinations in Logic, Moral Philosophy, and English for graduation in Arts.

5. Four Bursaries—viz., two at £25, and two at £17, shall be open for competition to students of either sex who, having passed the whole Preliminary Examination, are entering on their second session of attendance. Candidates shall be examined in such subjects in Mathematics as may be fixed by the Senate. The Examiners shall be the Professors of Mathematics and Natural Philosophy. Each

Bursar must attend two classes in the Faculty of Arts. Immediately on his appointment he must enter the class of Mathematics, and prosecute the course of study required for passing the Honours examinations in Mathematics and Natural Philosophy for a Degree in Arts. The second moiety of the third year's Bursar shall not be paid until the Bursar shall have passed the examinations in Mathematics and Natural Philosophy for graduation in Arts or the First Science Examination in these subjects for graduation in Science.

In session 1916-17 three of the above Bursaries will be open to competition—viz., one in Theology (£25), one in Medicine (£25), and one in Philosophy (£25). The Bursary in Theology will be decided by the results of the general competition for Bursaries in Theology. The competition for the Bursary in Medicine will be held at the time of the Autumn Professional Examinations. For the Bursary in Philosophy the subjects of examination will be those prescribed for the John Ferguson Jaffrey Bursary (see p. 428), and the examination will take place along with the Autumn examinations in Logic for M.A.

The examination papers for the Bursaries in Mathematics are those set in Mathematics of the Bursary Examination held in June.

*Bursars in Theology*—<sup>1</sup>George Macgregor, 1913; Thomas K. Johnstone, 1914; Archibald E. Macintyre, 1914.

*Bursars in Medicine*—John S. Cook, 1914; Donald M'Lean, 1914; William J. Payne, 1915.

*Bursars in Arts*—<sup>1</sup>Thomas W. Manson (Phil.), 1913; <sup>1</sup>Jessie M. Younger (Math.), 1913; Alexander King (Phil.), 1914; James Kirk (Phil.), 1914; John H. Bassett (Math.), 1914; Andrew Scott (Math.), 1914; Jessie G. Cameron (Math.), 1915.

**LUMSDEN BURSARY** (*Theology*).—This Bursary was founded in 1850, by Mr. James Lumsden, stationer, Glasgow. Value, £18. It is given to a Divinity student of the first year, and may be held for four years. There is a preference to sons of members, or of deceased members, of the Stationers' Company of Glasgow. The Patrons, viz., the Principal, the Professors of Divinity, Hebrew, and Church History, and the President of the Stationers' Company—have resolved that when no candidate with a preferential claim applies for the Bursary it shall be awarded in accordance with the results of the competition for Bursaries in Theology.

*Bursar*—Christian A. Robertson, 1914.

<sup>1</sup> Vacant through lapse of time.

**LUSK BURSARY (*Arts*).—**Founded in 1876, in accordance with holograph settlement executed by Mr. Robert Lusk, merchant in Greenock, who bequeathed the sum of £1,000, reduced by legacy duty to £900, for "a Bursary in connection with the Glasgow University, to be given to the most successful student attending the preparatory course of studies in said University who may intend to follow out the ministry in connection with any of the Presbyterian bodies in Scotland," "and who may, on public examination or competition, be found to be best qualified and most deserving." The competition is open to first or second year students in Arts. Tenable for three years, but may be continued for an additional year. Value, £37 per annum.

*Bursar*—James A. Watson, 1915.

**MACARTHUR BURSARY (*Medicine*).—**Founded in 1881 by Miss Jean Macarthur, in memory of her uncle, John Macarthur, Doctor of Medicine in Glasgow. The Bursary consists of the annual proceeds of £500. The administration is vested in a Committee appointed annually by the Royal Faculty of Physicians and Surgeons of Glasgow. The Bursary must be held by a student prosecuting the study of Medicine in the University of Glasgow. Under the rules laid down by the Committee, applicants must have completed three winter sessions of medical study, and not have entered on the fourth winter session. Preference will be given to applicants who have taken one or more First Class Certificates in the Medical Classes. The Bursary is tenable for two years.

Application in case of a vacancy to be made prior to 1st September to Alexander Duncan, LL.D., Faculty Hall, 242 St. Vincent Street, Glasgow, who will furnish forms of application.

*Bursar*—John Marshall, 1915.

**M'CRIE BURSARIES (*Arts*).—**These Bursaries were founded by the Rev. James M'Crie, D.D., of Dangart, Senior Minister of the U.P. Congregation of Old Meldrum, in the County of Aberdeen. They are of the annual value of £25, tenable for four years, provided the holder passes a prescribed examination at the commencement of each session and complies with the other conditions mentioned in the Deed of Foundation. The Bursary fund consists of certain lands in the parish of Colmonell and other heritable and movable property mortified for the purpose and vested in the Magistrates and Town Council of Ayr. The candidates must have been born in the parishes of Ballantrae, Colmonell, Barr, Girvan, Ayr, Old Meldrum, Tarves, Daviot or Bourtie, or in the City of Aberdeen, or in the Town of Ayr. The students must also be the sons either of mechanics, or of cottars, or of farmers not paying more than £100 of yearly rent, or of ministers not having more than £130 of yearly income, without respect to religious sect or denomination. Candi-

dates of the names of M'Crie, Forsyth, M'Cracken, or Spark, are to have a preference if otherwise deserving. The Bursaries may be held along with other Bursaries. Forms of application may be obtained from Mr. P. A. Thomson, Town Clerk, Ayr, and should be lodged with him before 30th April in each year in which a vacancy occurs. The names of candidates who are found to possess the prescribed qualifications will be sent by him to the Registrar that they may be entered at the University competition for Bursaries for students of the first year.

*Bursars*—William F. Thomson, 1914; William B. Wregg, 1914.

**JAMES MELVILLE M'CULLOCH BURSARY (*Arts*).**—Founded in 1885 in memory of the late Rev. James Melville M'Culloch, D.D., minister of the West Parish, Greenock. It consists of the free annual income of about £400. It is open to competition to students of the first year in the Faculty of Arts, who shall have been educated for not less than three years at any school or schools in Greenock. Tenable for four years, the Bursar attending the qualifying course for the degree in Arts. The second moiety of the fourth year's Bursary shall not be paid until the Bursar shall have passed all the examinations required for the Degree of Master of Arts. In the event of a vacancy occurring otherwise than by lapse of time, the Senate may appoint a student of the same standing qualified in like manner, or may arrange a new competition.

*Bursar*—Cecil R. Carr, 1914.

**MACDONALD BURSARIES (*Arts, Law, or Medicine*).**—Two in number, founded in 1882, in terms of the Trust Disposition and Settlement of Mr. Alexander Macdonald, M.P., who bequeathed to the University £1,000 for the purpose of assisting students in a course of purely secular education. The Bursaries are equal in value (about £17 yearly each) and tenable for four years in Arts, Law, or Medicine. Only miners under the age of twenty-one years, who have worked underground in any part of the United Kingdom, are eligible as candidates. The Bursaries are awarded in accordance with the results of an examination in general knowledge, particularly in writing, arithmetic, geography, grammar, and history.

*Bursars*—<sup>1</sup>James Moffatt 1912; Hugh F. Frame, 1913.

**JOHN AND ISABELLA MACDOUGALL BURSARIES (*Arts*).**—Founded in 1884, under the Trust Disposition and Deed of Settlement of Miss Isabella Macdougall, Perth. Miss Macdougall directed her Trustees to devote the residue of her means and estate to the foundation and endowment of one or more Bursaries, payable to students born in the county or city of Perth, attending the classes in the Faculty of Arts, in the Universities of Edinburgh, Glasgow, and St. Andrews. The Bursaries are of the annual value of about £33, and are tenable for a period not exceeding three years. The Trustees are the

<sup>1</sup> Vacant through lapse of time.

**Patrons.** The candidates, who may be of any religious denomination, must undergo an examination by examiners appointed by the trustees. The Bursaries are open to students who are either (1) about to enter on their first session, and who shall pass the Preliminary Examination in Arts, or (2) who have already attended the junior classes for one session. A vacancy occurring otherwise than by lapse of time may be filled up by the appointment, after examination, of a student of equal standing with the retiring Bursar. It is not competent for any person to hold any of these Bursaries along with any other Bursary or appointment yielding to him an annual income of fifty pounds or upwards. The Trustees are the following ministers in Perth, viz.:—The Rev. Walter E. Lee, East Church Parish; the Rev. F. H. Martin, St. Paul's Parish; the Rev. Peter R. Landreth, West Church Parish; the Rev. J. M. Scott, Middle Church Parish; and their successors in office for the time being, Mr. Thomas Soutar, retired banker, and Mr. Wm. Cochrane Young, solicitor in Perth. Candidates are requested to send in their names and addresses to Mr. Young, 9 St. John Street, Perth, on or before 10th August. (One vacancy.)

*Bursars*—Duncan Macgregor, 1914; John Robertson, 1914; William Phillip, 1915; Alexander M. Robertson, 1915.

**MALCOLM M'EWEN BURSARY (*Arts or Science*).**—Mr. William M'Ewen, tobacco manufacturer, Glasgow, who died on 16th December, 1878, by his Trust Disposition and Settlement dated 28th November, 1878, directed his trustees, Mr. James Boyd, writer, Glasgow, and others, to devote a sum of £500 to the foundation of a Bursary in the University of Glasgow, to be called the "Malcolm M'Ewen Bursary," in memory of his brother, Mr. Malcolm M'Ewen, who died on 16th January, 1878. The Bursary was founded in 1884. After consultation with the Senate, the Trustees resolved that the regulations for the Bursary should be as follows:—The Bursary is open to competition at the annual Bursary Examination to all students entering on the first session of attendance at the University, is awarded by the Senate in accordance with the results of that examination, and is tenable for four years. The Bursar on his appointment must elect to follow either the course of study qualifying for the Degree of M.A., or the course of study qualifying for the Degree of B.Sc., and must attend at least two classes each winter session. The Bursary is payable by equal moieties on the second day of February, and at the close of the winter session, but the second moiety of the fourth year's Burse shall not be paid until the Bursar shall have passed all the examinations for the Degree appropriate to the course of study chosen by him at the beginning of his tenure of the Bursary. A vacancy occurring otherwise than by lapse of time may, in the discretion of the Trustees, either be filled

up at the first term thereafter, or not till the usual term at which the competition for the Bursary would, in ordinary course, have fallen due, and, in the latter event, accumulations from this source are to be added to the capital fund.

*Bursar*—John B. Sandford, 1915.

**JAMES MACFARLANE BURSARY** (*Theology*).—Miss Helen Macfarlane, who died on 12th March, 1886, by a Codicil dated 15th August, 1882, to her Trust Disposition and Settlement, directed her Trustees to hand over to the Senate the Portrait of her late brother, Dr. John Macfarlane, Professor of the Practice of Medicine in this University, and the sum of £1,000 free of legacy duty for the foundation of a Bursary in the Faculty of Theology, in memory of her brother, the Rev. Dr. James Macfarlane, minister of Duddingston. Preference to the name Macfarlane. The competition is open to Divinity students of the first year, who hold a Degree in Arts of any Scottish University, or who have passed their examinations in any four subjects taken out of at least two departments for graduation in Arts. The Bursary is now of the annual value of £35, and is tenable for three years. In the case of a vacancy occurring otherwise than by lapse of time, the Senate may appoint, with or without examination, a student of the same standing as the previous Bursar.

*Bursar*—<sup>1</sup> Edward J. Harris, 1913.

**JOHN MACFARLANE BURSARY** (*Medicine*).—Founded in 1874 by the brothers and sister of the late Dr. John Macfarlane, Professor of the Practice of Medicine in this University, and to his memory. Patrons—The Faculty of Medicine. It is of £48 annual value, and it is tenable for three years. The competition is open to students who have attended the first session of their professional study in the University of Glasgow. The subjects of Examination to be prescribed by the Patrons; and the success of the candidates in the examination in General Education will form an essential element of the decision. Any surplus which may accumulate from vacancies or otherwise is to be applied to establish a "Macfarlane Prize" in the Class of Practice of Medicine. The subjects of Examination for this Bursary are Elementary Anatomy, Elementary Chemistry, and Botany. The examinations are held at the same times as the Autumn Professional Examinations in these subjects, and in the case of Chemistry and Botany on the same papers.

*Bursar*—James R. Learmonth, 1914.

**ROBERT MACFARLANE BURSARIES**.—By a Mutual Trust Disposition and Settlement of date 7th January, 1888, Miss Mary Ann and Miss Margaret Macfarlane directed their Trustees to make over to the Senate of the University of Glasgow a sum of £3,000 for the

<sup>1</sup> Vacant through lapse of time.

foundation of Bursaries in memory of their brother, Robert Macfarlane, Writer, Paisley, out of the estate bequeathed by him to them. The following regulations, giving effect to the provisions of the Trust Deed, were adopted by the Senate on 6th April, 1905, and approved by the University Court on 4th May, 1905, viz.:

1. The Bursaries shall be called the Robert Macfarlane Bursaries, and shall be three in number, of equal annual value (at present £33).

2. In awarding the Bursaries the Senate shall give a preference to young men connected with Paisley.

3. One Bursary shall be tenable for three years in either Arts or Law, and the appointment shall be determined by the General Bursary competition in Arts. Candidates for this Bursary must satisfy the Senate that they are looking forward to be lawyers.

4. One Bursary shall be given for proficiency in Scots Law, shall be awarded on the report of the Professor at the close of the winter session, and shall be tenable during the following year while the Bursar is attending some class or classes in the Faculty of Law not attended in a previous year; provided that the minimum attendance given by the Bursar be on one class of eighty lectures or on two classes each having forty lectures.

5. One Bursary shall be given, *mutatis mutandis*, for proficiency in Conveyancing.

These Bursaries are not tenable along with another Bursary or Money Prize.

*Bursars*—Thomas E. Reid (3 years), 1914; Henry H. Holmes (Scots Law), 1916; Thomas G. Menzies (Conveyancing), 1916.

**MACGROUTHER BURSARIES (Arts).**—Two in number, founded in 1872, the one by Mrs. Sophia Susan MacGrouther, widow of Mr. James MacGrouther of Leigham Court Road, Streatham, Surrey, who mortified in favour of certain trustees the sum of £500; the other by the Misses Mary and Jane MacGrouther, residing in Glasgow, his sisters, who also mortified in favour of the same trustees the sum of £500, for the purposes of the foundation, and in memory of, and in fulfilment of the intentions of, the said James MacGrouther. The Senate are the Patrons. The Bursaries are open to competition to students entering the Faculty of Arts for the first time, and are awarded to students who, having passed the Arts Preliminary, have gained the highest marks in Mathematics in the Bursary Examination, and have not obtained a bursary in the general competition. They are tenable for four years, subject in each case to the condition that the Bursar shall pass the examinations required of students proceeding to the Degree of M.A. Annual values, £20 and £15. (No vacancy.)

**M'KECHNIE BURSARIES** (*Any Faculty*).—Two in number, founded by the Trust Disposition and Settlement of the late Thomas M'Kechnie, merchant in Girvan, who bequeathed for that purpose the sum of £2,000 to the Minister of the Established Church in Girvan, the Magistrates of Girvan, and others, and appointed them patrons of the Bursaries. The Patrons, in nominating and presenting students to the Bursaries, are instructed to prefer, in the first place, such as are of the founder's kindred; secondly, such as are of the name of M'Kechnie; and thirdly, such as were born in the parish of Girvan, provided that such students are properly qualified by their previous education for entering the University of Glasgow. Failing candidates qualified as above, the Bursaries are to be awarded to those who shall be found best qualified and deserving. The Bursaries are tenable for four years. When a vacancy occurs application should be made to Messrs. W. and D. Andrews, solicitors, Girvan, early in August.

*Bursars*—William Gillespie, 1915; William Wallace, 1915.

**MACKIE KNOCKGERRAN BURSARY** (*Theology*).—Founded by the late William Mackie of Knockgerran, Ayrshire, to be held by a student studying for the Ministry of the Established Church of Scotland, during the period of his attendance at the Divinity Course for the time being. The rules and regulations for the trials and examination of candidates for the Bursary shall be prescribed by the Presbytery of Ayr from time to time, preference being given, in the first place, to a student who is a native of, or whose parents or parent reside or resides in the Parish of Dailly; in the second place, to a student who is a native of, or whose parents or parent reside or resides in the Parish of Barr; in the third place to a student who is a native of, or whose parents or parent reside or resides in the Parish of Girvan, and failing all these three parishes then to any student who is a native of, or whose parents or parent reside or resides within the bounds of the Presbytery of Ayr, preference to students who are natives of, or whose parents or parent reside or resides in Carrick. The value of the Bursary is about £45 a year. Applications to be made to the Rev. Charles Goodall, B.D., Minister of the Parish of Dailly, Ayrshire, or to D. & J. Dunlop, Solicitors, Ayr—by 1st September.

*Bursar*—James Hill, 1914.

**MACKINTOSH MENTAL SCIENCE BURSARY** (*Medicine*).—Founded in 1889 by Dr. Donald Mackintosh of London, in memory of his brother, Dr. Alexander Mackintosh, for many years superintendent of the Royal Lunatic Asylum, Gartnavel. Value, about £31. Tenable for one year. The competition is open to matriculated students of medicine who have attended one of the courses of Lectures on Insanity in the University, and will be awarded in accordance with



the results of an examination conducted in June by the Professor of Practice of Medicine and the Lecturers on Insanity and on Psychological Medicine acting conjointly. The holder of the Bursary shall, while holding it, devote special attention to the practical study of Insanity to the satisfaction of the Faculty of Medicine.

*Bursar*—David Campbell, 1915.

M'KISSACK BURSARY (*Medicine, Arts, or Divinity*).—Founded in 1900 in terms of the Trust Disposition and Settlement of Mrs. Jane M'Kissack, Nairn, who bequeathed £750 for that purpose, in memory of her husband, Charles M'Kissack. The Patrons of the Bursary are the Provost and Bailies and the Ministers of the Presbyterian and Congregational Churches in the Royal Burgh of Nairn. The Bursary is tenable for four years, and is to be given to a medical student prosecuting his studies at any College, University, or Training Institute approved by the Patrons, in preparation for Christian mission work among the Jews. Failing a student in medicine, the Bursary may be given to a student in Arts or Divinity having the same object in view. Applicants must be of British nationality and not under seventeen years of age at the date of presentation. Preference, *cæteris paribus*, will be given to candidates of the name of M'Kissack, or natives of the counties of Elgin and Nairn, or candidates who have at any time resided for twelve consecutive months in these counties. Application should be made to Messrs. Lamb & Co., solicitors, Nairn.

MACLEAN TRUST BURSARIES (*Arts*).—Under the scheme for the administration of the Trust of the late Colonel Alexander Maclean, approved of by the Court of Session on 18th July, 1895, the Governors are authorised to apply a portion of the revenue of the Trust in payment of Bursaries of the yearly value of not less than £25 each, tenable for four years at any Scottish University. The Bursaries are open to students of either sex of the name of Maclean entering on the Arts curriculum, and are awarded by competitive Examination in such manner as the Governors shall determine. The Bursars must regularly attend at least two classes each winter session in the curriculum for a degree in the Faculty of Arts. But any Bursar who has held his Bursary throughout a three years curriculum in the Faculty of Arts, and taken a degree in that Faculty, may continue to hold it during the fourth year in any other Faculty. The Governors are the Lord Provost and Magistrates of the City of Glasgow. Forms of application can be received in the month of April each year from the Town-Clerk, Glasgow, with whom applications must be lodged.

*Bursars*—Helen B. K. Maclean, 1913; Alexander Maclean, 1914; Allan MacLaine, 1915.

**MAITLAND CLUB BURSARY.**—In 1888 Dr. W. H. Hill and Mr. J. Wyllie Guild, the then surviving members of Council of the Maitland Club, disposed of the remainder of the stock of the Maitland Club publications, and in pursuance of resolutions passed at meetings of the Council held on 3rd and 17th August, 1870, handed over the proceeds (£140) to the Senate for Bursary purposes. The free income (£6) may be annually bestowed without any competitive examination on such student as the Senate may consider deserving.

**ALEXANDER MANDERSON BURSARY (Arts).**—Mrs. Margaret Manderson or Macintyre, Greenock, who died on 13th April, 1905, by her Trust Disposition and Settlement dated 17th February, 1903, bequeathed to the Senate of the University £500, free of legacy duty, to found a bursary to be called the Alexander Manderson Bursary in memory of her deceased brother. The annual value is £15. Candidates must be natives of the Lower Ward of Renfrewshire or have been educated for not less than three years in a school therein. The Bursary shall be open to students of the first year, both men and women, and awarded after a competitive examination in such subjects or subject in Arts as the Senate may from time to time prescribe. It is tenable for three years, subject to the condition that the second moiety of the Bursary for the last year shall not be paid until the bursar shall have passed all the examinations required for the ordinary Degree of M.A.

**MARSHALL BURSARIES (One in Theology and One in Medicine).**—Mrs. Barbara Lauder or Marshall, relict of Alexander Marshall, wholesale stationer, Bell Street, Glasgow, by her Will dated 8th December, 1874, bequeathed to the Senatus of Glasgow University the sum of £1,000, under deduction of legacy duty, to found two Bursaries of equal value, one in Divinity and the other in Medicine. Tenable for four years. Preference to the name of Marshall, but provided "that the Principal and the Professors shall nominate and appoint such students only to the said Bursaries as they shall find, on such examination as they may appoint, to be properly qualified for entering upon the study of Divinity and Medicine at the said University." The subjects of examination for the Marshall Bursary in Medicine are :—1. English ; 2. Latin ; 3. Mathematics ; 4. Greek or French or German ; and the examination papers are those of the Bursary Examination held in June. Present value, £17 per annum to each Bursar.

*Bursar in Medicine*—(Competition in June, 1916).

*Bursar in Theology*—John Freeland, 1914.

**MARSHALL TRUST BURSARIES (*Arts*).**—Under scheme 198, section 29, of the Educational Endowments (Scotland) Commission, approved by Her Majesty in Council on 17th March, 1888, the Governors of the Marshall Trust are instructed to apply (1) a sum not exceeding £300 per annum in providing University Bursaries. These Bursaries are awarded by competitive examination among pupils of either sex who have held free scholarships or school bursaries under the scheme, and pupils of either sex who are resident and attending public or State-aided schools in Lanarkshire or Stirlingshire, whose parents or guardians are of the class specified in section 25 of the scheme. The Governors may apply (2) a further sum of £300 per annum in providing similar Bursaries to be awarded solely to pupils who have held free scholarships under the scheme, who shall have competed for but failed to obtain any of the first mentioned Bursaries, but on condition that such free scholars shall pass the examination prescribed by the Governors. Each Bursary is £30 per annum, and is tenable for not more than four years. Forms of application may be obtained from the Superintendent of the Trust—Mr. William Bunting, 134 Wellington Street, Glasgow—and should be lodged with him before 30th April in each year. The names of candidates who are found to possess the prescribed qualifications will be sent by him to the Registrar that they may be entered at the University competition for Bursaries for students of the first year. The Bursaries will be awarded to those candidates highest in order of merit who fail to win a Bursary in the general competition.

*Bursars*—John H. Young, 1913; George J. Hutchison, 1913; Morris Hyman, 1913; David S. M'Lean, 1913; Archibald Cronin, 1914; Isaac Fürst, 1914; George M'Willie, 1914; John M. Robertson, 1914; Walter R. Robertson, 1914; Donald Mackenzie (3 years), 1914; Peter Cowan, 1915; Archibald W. Currie, 1915; James Easton, 1915; John Gore, 1915; Catherine T. Wallace, 1915.

**WILLIAM MEIKLEJOHN BURSARY (*Arts*).**—Founded in 1889 by the Trustees of the late Mrs. Mary Dougall or Meiklejohn, who died on 8th April, 1888, and left £600 for that purpose. The Bursary is of the annual value of £20, and tenable for four years in the Arts Classes of any Scottish University by a student who is prosecuting his studies with the view of becoming a Minister of the Church of Scotland. The Patrons are the Ministers and Elders of the Kirk-Session of the Parish of Stirling. The Bursary is open to candidates who have received the whole or part of their past education at the High School of Stirling, whom failing to natives of Stirlingshire. Application to be made to Mr. John Brown, Solicitor, 20 Barnton Street, Stirling.

*Bursar*.—George D. Sempill, 1914.

**MENZIES BURSARIES (*Arts*).**—The late Mr. James Menzies, of Glasgow, by his Will, dated 3rd November, 1837, left a sum of money to establish four Bursaries at either of the Universities of Edinburgh, Glasgow, or St. Andrews, tenable for four years, one to be given each year. The value of each Bursary is £45 per annum, but varies at the discretion of the Patrons. The Patrons are Sir Neil Menzies, Bart., of Menzies, and the Parish ministers of Dull, Weem, and Fortingall. In the first place, the kindred of the Testator; secondly, persons of the name of Menzies; thirdly, those born on the Menzies estates, will be preferred—provided always that they shall be found properly qualified by previous education; and failing these, the Patrons can present such as shall be found best qualified after due examination. The following are the subjects of examination:—*Latin*—Translation, (1) English into Latin; (2) Latin into English, with grammatical questions and exercises. *Greek*—Translation, Greek into English, with grammatical questions and exercises. *English*—(1) The growth, structure, and grammar of the language; (2) The History of English Literature; (3) A short essay on a prescribed subject. *Mathematics*—(1) Arithmetic, general; (2) Algebra, up to and including Quadratic Equations; (3) Geometry, Euclid, the first six books, and the first twenty-one propositions of the eleventh book, with deductions; (4) Trigonometry, up to and including the solution of triangles. Bursars to attend in some one of the above Universities the classes in their regular order for the M.A. Degree. Candidates are requested to send their names to Mr. Wm. Paterson, Clerk to Menzies Bursary Patrons, Camserney Cottage, Aberfeldy, on or before 10th August. (One vacancy.)

*Bursars*—<sup>1</sup>James G. Menzies (at Glasgow University), 1912; Duncan Menzies (at St. Andrews University), 1913; John K. Stewart (at Edinburgh University), 1914; Alistair M'Laren (at Edinburgh University), 1915.

**MERCHANTS' HOUSE BURSARIES (*One in Arts, One in Law, and Two in Medicine*).**—Founded in 1879 by the Merchants' House of Glasgow. The Bursaries are of the annual value of £25 each, and are four in number—viz., two in Medicine, one in Arts, which may also be held in Engineering and Mechanics, and one in Law, tenable by students attending the requisite classes in the above Faculties, with a preference to the sons of matriculated members of the Merchants' House, and such others as the Lord Dean and Directors may deem deserving. 1. The Bursaries in Medicine are tenable for four years. Candidates must be entering on their first winter session of attendance on the ordinary curriculum for Medical Students. 2. The Bursary in Arts, or in Engineering and Mechanics, is tenable for four years. Candidates must be entering on their first session of study, and must attend each session two at least of the classes in the Arts curriculum, including, at the option of the candidate, the

<sup>1</sup> Vacant through lapse of time.

class of Civil Engineering and Mechanics. 3. The Bursary in Law is tenable for three years. Candidates must be entering on their first session of attendance on the classes in the Faculty of Law, and must give regular attendance for the three years on classes in that Faculty. The subjects of examination for the Bursaries in Medicine are: 1. English; 2. Latin; 3. Mathematics; 4. Greek or French or German; and the examination papers are those of the Bursary Examination held in June. For the Bursaries in Arts and Law the subjects are those prescribed for the Bursary Examination, special importance being given in the examination for the Arts Bursary to the subject of Mathematics. When a vacancy occurs, applications should be lodged before 30th April with the Clerk of the Merchants' House.

*Bursar in Law*—William J. Cuthbert, 1914.

*Bursar in Arts*—William T. Currie, 1914.

*Bursar in Medicine*—William Cuthbertson, 1915.

**METCALFE BURSARIES (*Science*).**—Founded by the late Miss Sarah Metcalfe, Glasgow, who, by her Deed of Settlement and Codicils, dated respectively 8th August, 30th September, and 7th October, 1853, bequeathed, subject to the liferent of her brother, Mr. William Metcalfe, certain properties in Glasgow, "for encouraging poor students in prosecuting the studies of Mathematics, Practical Astronomy, Chemistry, and Civil Engineering." Mr. Metcalfe died on 25th January, 1869, and by resolution of date 14th April, 1870, the Senate instituted, besides a Metcalfe Fellowship of £100 annual value (for which see Index), at least two Metcalfe Bursaries or Scholarships, each of the annual value of £25, and tenable for two years, subject to the condition that the scholar attend the four classes of Civil Engineering, Senior Mathematics, Practical Astronomy and Chemistry; two at least of these classes to be taken each year. The scholars to be appointed by examination in Pure Mathematics, including the elements of Plane Trigonometry, of Mechanics, and of Theoretical Astronomy, from among matriculated students entering the Intermediate Honours class of Mathematics, or the class of Chemistry.

*Bursar*—<sup>1</sup>Samuel Service, 1914.

**MILLER BURSARY (*Arts*).**—This Bursary is open to students intending the Ministry of the Church of Scotland, is of the yearly value of £24, and is tenable by a first or second year student during the Arts curriculum. The Bursary is in the patronage of the Kirk Session of Kippen, and further particulars may be obtained from the Parish Minister or Session Clerk.

<sup>1</sup> Vacant through lapse of time.

MITCHELL (See Lochhead and Mitchell, p. 434).

MONTEITH BURSARIES (*Arts*).—Founded in 1869 by Mr. James Monteith of 38 Duke Street, St. James's, London. Three in number, each of the annual value of about £15, and tenable for three years. They are open for competition to all matriculated students of the Faculty of Arts, being natives of Scotland and sons of Scottish parents, and may be held along with another Bursary. The examination to be in French and German in alternate years. Occasionally an extra Bursary will be given to the second-best candidate, of the same value as the others, but tenable only for one year.

*Bursars*—Matthew Jackson (German), 1914; John F. Lochhead (French), 1915.

JOHN MONTEITH BURSARIES (*Medicine*).—Founded in 1884 by Mrs. Helen Monteith, Greenbank, Dowanhill Gardens, Glasgow, in memory of her husband, the late John Monteith. Mrs. Monteith assigned the sum of £1,000 to Dr. John Gray M'Kendrick, Professor of the Institutes of Medicine, Dr. James Duncan M'Laren, Fellow of the Faculty of Physicians and Surgeons in Glasgow, the late James Graham, LL.D., writer, Glasgow, and Robert Monteith, her adopted son, as trustees, in the first instance, for the administration of the fund. The annual income after payment of the expenses of administration is to be awarded as two Bursaries to students who have attended the first and second sessions of their professional studies in the University of Glasgow with a view to Graduation in Medicine in that University. The Bursaries are tenable for two years. One Bursary is awarded annually in the month of November, and is given to the candidate who gains the highest number of marks in the subjects of Anatomy and Physiology at the Professional Examinations in these subjects held during the previous year (*i.e.* the April and October preceding said month of November). The founder has directed that it be represented to the holders of the Bursaries that they should feel themselves in honour bound after graduation to render professional assistance to the poor as much as may lie in their power.

*Bursar*—George M. Wishart, 1915.

MORGAN BURSARIES (*Arts and Theology*).—Mr. John Morgan, West India Merchant, who died at Springfield House, Bishopbriggs, on 4th May, 1894, in his Trust Disposition and Settlement directed the Merchants' House to pay over half-yearly to the Presbytery of Glasgow one-third of the net revenue of his estate to be applied in providing Bursaries for students in the University of Glasgow intending to become ministers of the Church of Scotland, one-third

to students in Divinity and two-thirds to students in Arts. The students in Arts must be under twenty years of age, and must have passed the Preliminary Examination. The appointments are made for one year only, but may be renewed from year to year for one or more years. No Morgan Bursary shall exceed £20 a year. The holder of another Bursary of £20 or upwards cannot be appointed to a Morgan Bursary, but the holder of a Bursary of less than £20 may be appointed to a Morgan Bursary of such value that the two Bursaries together shall not exceed £20. Further particulars and schedules to be filled up by applicants may be obtained from the Presbytery Clerk.

**MUIR BURSARIES** (*Two in Arts or Science, Two in Science, and One in Theology*).—Founded in 1880, in terms of the Trust Disposition and Settlement and Codicil thereto of the late Mr. Matthew A. Muir, merchant in Glasgow, who bequeathed to the Senatus Academicus of Glasgow University, free of legacy duty, the sum of £1,000 for providing a Bursary in connection with the Chair of Divinity, to be awarded to a student of Divinity during the last three years of his curriculum; a sum of £1,000 for providing two Bursaries of equal amount in connection with the Chair of Mathematics, to be awarded to advanced students in Mathematics, the period of tenure to be fixed by the Senate; and a further sum of £1,000 for providing two Bursaries of equal amount in connection with the Chair of Civil Engineering and Mechanics, to be awarded to advanced students of Engineering and Mechanics, the period of tenure to be fixed by the Senate. Any of the Muir Bursaries in Mathematics and Civil Engineering may be held along with another Bursary.

The following rules and regulations have, in accordance with the provisions of the Deed, been sanctioned by Mr. Muir's trustees, and are to be observed in all time coming:—

1. *Muir Bursary in Divinity*.—Candidates must be entering on their first session in Theology in the University, and the appointment to the Bursary shall be determined by the result of the annual competitive examination for Bursaries in Theology. The competition shall be open to candidates holding a Degree in Arts in any Scottish University, or who have passed their examinations in four subjects taken out of at least two departments for graduation in Arts. The Bursary shall be tenable for three years, but the second moiety of the third year's Bursary shall not be paid until the Bursar shall have passed the examinations for the Degree of Bachelor of Divinity.

2. *Muir Bursaries in Mathematics*.—Two in number, of which the Junior Bursary shall be tenable for two years, and the Senior Bursary for one year, the former being of half the annual value of

the latter. The appointment shall be determined by the proficiency shown by the candidates in the earlier part of their Mathematical course, and the successful candidates shall prosecute the study of the Higher Mathematics during their tenure of the Bursaries. No candidate shall be allowed to hold both Bursaries at the same time. Should the Junior Bursary be resigned by the Bursar at the end of his first year of tenure, the Senate may make an appointment for the remainder of the period.

3. *Muir Bursaries in Civil Engineering and Mechanics.*—Two in number, and of equal value. The appointments shall be determined by the proficiency shown by the candidates in the earlier part of their Engineering course. The period of tenure for each Bursary shall be the session of attendance on the Senior Class of Civil Engineering and Mechanics (Class IV.). Should a vacancy occur by reason of non-attendance of a selected candidate, the Senate may make an appointment for the remainder of the period. No candidate shall be allowed to hold both Bursaries.

4. The Senate reserve the right to withhold the Bursary in any case in which a satisfactory standard has not been attained by any of the competitors.

5. Arrangements for carrying out these rules and regulations shall from time to time be made by the Senate, and notice thereof shall be published in the *University Calendar*.

*Arrangements for Session 1916-17.*—*Muir Bursaries in Mathematics.*—The appointment to the Junior Bursary, tenable during sessions 1917-18, 1918-19, shall be determined by the results of the written examinations passed in the course of the session 1916-17 by the public students of the Ordinary Class of Mathematics. The successful candidate shall, during session 1917-18, attend the Intermediate Honours Class, and during session 1918-19 the Advanced Honours Class of Mathematics. The appointment to the Senior Bursary, tenable during session 1917-18, shall be determined by the results of the written examinations passed in the course of the session 1916-17 by the public students of the Intermediate Honours Class. The successful candidate shall, during 1917-18, attend the Advanced Honours Mathematical class.

*Muir Bursaries in Civil Engineering and Mechanics.*—Candidates for the Bursaries tenable during session 1917-18 must be (a) students attending during session 1916-17 Engineering Class I. or Class II. or Class III. or Electrical Engineering Class I. or Class II., who are also attending or have in a previous session attended the Junior or the Senior Class of Engineering Drawing and Calculations, or (b) students attending during session 1916-17 the Junior or the Senior Class of Engineering Drawing and Calculations, who have in a previous session attended the Engineering Class I. or Class II. or Class III.



or Electrical Engineering Class I. or Class II. The appointment will be made by consideration of merit shown during attendance on, and by examination in the subjects of, those classes. The successful candidates shall, during session 1917-18, attend the Senior Class of Civil Engineering and Mechanics (Class IV.).

*Bursars in Mathematics.*—Junior Bursar for session 1916-17, Muriel I. Macdonald; Senior Bursar for session 1916-17, Jean C. Armishaw.

*Bursars in Civil Engineering and Mechanics* for session 1916-17.—Not awarded.

*Bursar in Theology*—John M. Munro, 1915.

WILLIAM MUIR DIVINITY BURSARIES (*Theology*).—Established in 1886 by the Governors of the Glasgow General Educational Endowments Board, under Section 35 of their Scheme. The Bursaries are two in number, each of £25 annual value. Candidates must have passed the examination of the Examining Board for entrance to the Divinity Hall of the University, and must lodge applications with Mr. W. H. Macdonald, Hutchesons' Buildings, Ingram Street, on or before the 25th Sept. The Bursaries are awarded in accordance with the results of the competition for Bursaries in Theology, and are tenable for two years.

*Bursar*—<sup>1</sup>Muir Andrew, 1914.

MARY JANE MURRAY BURSARIES (*Arts, etc.*).—The late Miss Mary Jane Murray bequeathed one-third of the residue of her estate "for the purpose of founding a Scholarship in Queen Margaret College, Glasgow, to be awarded annually to the best pupil attending the College who is following out the teaching profession." The subjoined regulations were drawn up, and, with the concurrence of Miss Murray's Trustees, were approved by the University Court on 7th October, 1915:—

1. One or more Bursaries, each of the value of about £40 a year, and tenable for four years, shall be awarded annually. Candidates must be women students of the first year in one of the Faculties of Arts, Pure Science, or Education (in the event of the institution of a Faculty of Education), who are entering Queen Margaret College with a view to preparing for the profession of teaching.

2. The Bursaries shall be awarded in accordance with the results of the annual examination for First Year Bursaries in the Faculties above mentioned.

3. (a) Each Bursar shall pursue regularly one of the curricula for a degree in Arts or in Pure Science or (in the event of the

<sup>1</sup> Vacant through lapse of time.

institution of a Faculty of Education) in Education. (b) Each Bursar shall qualify for recognition as a Certificated Teacher under the Regulations of the Scotch Education Department.

4. The Bursaries shall be paid annually in two moieties subject to the production by the Bursars of the usual certificates of attendance and satisfactory performance of the work of their classes. It shall be in the power of the Trustees at any time to withhold payment of any moiety of a Bursary and to cancel payment of the same and of all future payments if in their opinion the Bursar is not fulfilling the conditions set forth in Regulation 3. It shall also be in the power of the Trustees to withhold payment of the last moiety of any Bursary until the Bursar has completed one year of service as a teacher in a school under the regulations of the Scotch Education Department.

5. The Bursary shall not be tenable along with any other Bursary.

6. These regulations may be modified from time to time by the Trustees after consultation with the University Court.

*Intimation will be duly made whenever it is found possible to offer one of the bursaries for competition.*

NOTMAN BURSARY (*Theology*).—By deed of Settlement dated 15th August, 1876, Mrs. Margaret Adam Notman or Napier of Hillhead, Glasgow, widow of Mr. William Napier, directed her executors to pay over to the Principal and Professors of the Glasgow College the sum of £500 sterling for the purpose of founding a Bursary in the College, to be called the Notman Bursary, in memory of her father and brother. The Bursar to be a student of Divinity, who shall appear in public examination to be best qualified and deserving. Present value, £18 per annum.

*Bursar*—William Bodin, 1915.

JOHN OLIPHANT BURSARIES (*Medicine and Civil Engineering*).—Miss Agnes Leckie Oliphant, sometime of Dunfermline and thereafter residing in Vienna, who died at Vienna on 30th August, 1903, bequeathed the residue of her estate, amounting to £2,567 13s. 5d., to the University Court, for the purpose of founding a Bursary or Bursaries in the Faculty of Medicine and a Bursary or Bursaries in the Department of Civil Engineering in the University, under such regulations as may be approved by her executors. The Bursaries are to be called the John Oliphant Bursaries, and are tenable for six years. The holders must be Protestants, and a preference is given to orphans. Present value of each Bursary, £35 per annum.

The following are the regulations for the John Oliphant Bursary in Medicine :—

There shall be one bursary in Medicine, open to competition to students entering on the curriculum for Degrees in Medicine. The subjects of examination are, 1. English; 2. Latin; 3. Mathematics; 4. Greek or French or German; and the examination papers are those of the Bursary Examination held in June. The John Oliphant Bursary in Medicine shall be tenable for six years, if the Bursar continues to prosecute his medical studies during that period, and the Bursary shall not be held along with any other bursary.

The following are the regulations for the John Oliphant Bursary in Civil Engineering :—

There shall be one bursary in the department of Engineering. It shall, upon the recommendation of the Faculty of Science, be awarded in the month of November to the candidate who has the best record in his First Science Examination. Students who have passed the whole of that examination, including the subjects specified in Ord. No. 23, Section X., subsection 1, but not necessarily including the subjects specified in Ord. No. 23, Section X., subsection 2, may offer themselves as candidates, provided that, in the case of the first appointment, the last subject of the First Science Examination has been passed since 1st November, 1907, and provided that, in the case of subsequent appointments, the last subject of the First Science Examination has been passed since the date of the appointment immediately preceding. The usual period of tenure shall be three years, but a bursar may be reappointed for a further period, provided that no person shall be permitted to hold the bursary for more than six years in all. The bursar during his tenure shall prosecute the course of study for the Degree of B.Sc. in Engineering, and he shall not receive payment of the last moiety of his bursary until he has graduated as B.Sc. If he graduate before the expiry of his tenure he may retain his bursary during the remainder of his tenure, provided that he engage in a course of postgraduate study or research approved by the Senate.

The John Oliphant Bursary in Engineering may be held along with the James Watt Scholarship, but not with any other Bursary.

*Bursars*—Joseph T. MacLellan (Med.), 1914; Stewart W. Cox (Civ. Engin.), 1915.

**JAMES PATERSON (BAPTIST) BURSARY (*Arts*).**—Founded in 1885 in commemoration of the completion, in 1879, of the fiftieth year of the existence of Adelaide Place Baptist Church, Glasgow, and of the Pastorate thereof of Dr. James Paterson during the same period. The sum subscribed for the purpose, amounting with interest to £619, was assigned and conveyed to the Senate in trust to be applied in all time coming to provide a Bursary in the Faculty of

Arts to be called the James Paterson Bursary. The Bursary is of the annual value of £22, is tenable for four years, and is open to competition to any student of the first year in Arts who is a member of a Baptist Church, and who is entering upon his studies with a view to the ministry in the Baptist denomination. The Bursar during his tenure of the Bursary must be a member of Adelaide Place Baptist Church or of some other Baptist Church in Glasgow or neighbourhood. The Bursar must graduate in Arts, and before payment of the second moiety of the last year's Bursary must produce evidence that he has taken the degree, or that he has passed all the examinations necessary for graduation. On the Bursary falling vacant otherwise than by lapse of time, the Senate may appoint for the remainder of the term, or for the full period after competition. Before payment of the second moiety in each year the Bursar must produce a certificate of fitness for the ministry from a Committee of Adelaide Place Baptist Church, from the Baptist Union of Scotland, or some recognized Educational Institution of the Baptist Body.

*Bursar*—John M. Cook, 1914.

**JAMES PATERSON BURSARY (Arts).**—In 1904 the Trustees of the late Rev. James Paterson, D.D., of Adelaide Place Baptist Church, Glasgow, transferred to the University Court £560 of Caledonian Railway 4 per cent. Consolidated Preference Stock, No. 2, for the foundation of a Bursary in Arts in terms of his Trust Disposition and Settlement. He prescribed not only the subjects but also the books on which the competitors should be examined. The following regulations drawn in accordance with the provisions of the will were adopted by the Senate on 6th April, 1905, and approved by the University Court on 4th May, 1905, viz.:

1. The Bursary shall be in the Faculty of Arts, and shall be open for competition to students of the first or second year.

2. Candidates shall undergo a special examination in Latin (Virgil), Greek (the New Testament), Hebrew (Proverbs), and Logic (Whately's Logic).

3. The Bursary shall be tenable for three years, and the Bursar shall study for a degree in Arts.

4. The second moiety of the third year's burse shall not be paid till the Bursar has taken the degree of M.A.

The Bursary is of the annual value of £17.

*Bursar*—Vacant.

**JAMES ALEXANDER PATERSON BURSARIES (Arts and Medicine).**—Founded in 1892, under the Trust Disposition and Settlement of James Alexander Paterson (for many years a member of Shamrock

Street United Presbyterian Church), who died at Glasgow on 31st January, 1889.

The Bursaries in Arts are tenable for three years. They are open to competition to students entering upon the first or second year of their attendance at the University, who purpose studying for the ministry in connection with the United Free Church, and who intend to qualify for and take, in the University of Glasgow, the degree of M.A. Each candidate before the competition must lodge with the Registrar (1) a written declaration of his intention to comply with and observe these conditions, and (2) a certificate from the Convener or one of the Clerks of the College Committee of the United Free Church of Scotland, bearing that the Candidate is recognized by that Church as an accepted student pursuing his studies with a view to the ministry therein. In October, 1916, three Bursaries of £30, £20, and £10 respectively will be offered for competition. The Examination is in Hebrew (Book of Ruth) and Greek (Acts of the Apostles). The last moiety in the last year is payable after the Bursar has passed all the examinations for the degree of M.A. In the event of the holder of a Bursary graduating at the end of his second year of tenure, he shall retain his Bursary, during the third year of tenure, only on condition that he shall engage in a course of study in the University of Glasgow approved by the Senatus Academicus in subjects included in the curriculum for degrees in Arts.

The Bursaries in Medicine are tenable for four years. They are open to competition to students of either sex entering upon the first or second year of their medical curriculum at the University of Glasgow, who intend to qualify for and take, in the University of Glasgow, the degree of M.D. Each candidate must before the competition deliver to the Registrar a written declaration of such intention. The subjects of examination are Mathematics and Natural Philosophy, and the examination papers are those set in Mathematics and Dynamics of the Bursary Examination held in June. Two Bursaries of £25 and £20 respectively were offered for competition in June, 1916. The last moiety in the last year is payable after the Bursar has passed all the examinations for the degrees of M.B. and Ch.B.

It shall be competent for the holders of these Bursaries, whether in Arts or in Medicine, to hold any other Bursary or Scholarship in this University, if the Regulations of that other Bursary or Scholarship permit.

*Bursars in Arts*—<sup>1</sup>Robert F. Chisholm (£30), 1913; <sup>1</sup>James Mackie (£20), 1913; <sup>1</sup>David Clark (£10), 1913; James J. Robertson (£30), 1914.

*Bursars in Medicine*—William H. Gordon (£25), 1913; Ernest J. T. Thompson (£20), 1914; Archibald D. Brown (£25), 1914; John Kirk (£25), 1915; Alexander Symon (£20), 1915.

<sup>1</sup> Vacant through lapse of time.

**PATRICK BURSARIES (*Arts*).**—These Bursaries were founded in 1860 by Mr. William Patrick of Roughwood, W.S., and were originally two in number, the one consisting of the free annual proceeds of a sum of £2,000 of consolidated stock of the Glasgow and South-Western Railway, the other of the free annual proceeds of £1,000 of the same stock. They were tenable for two years, but might be continued for other two. By Ordinance No. 85 of the Universities Commission (1889) the number of Bursaries was increased to three, all equal in value, and tenable for four years. The present annual value of each is £32. If a Bursar graduate at the end of three years he shall only retain his Bursary during the fourth year of tenure if he shall engage in a course of study approved by the Senate in subjects included in the curriculum for Degrees in Arts or in Pure Science. In other respects also the provisions of University Court Ordinance No. XXVII. apply to the Patrick Bursaries. Candidates must have gone through a course of education at some one of the Public Schools in the County of Renfrew, where a regular course of Classical Study is pursued; and must be in circumstances to render it desirable that they should have assistance in prosecuting their studies at the University. The Rector or Head Teacher of such Public School to grant a certificate to any number not exceeding four of his best scholars, who shall be entitled to present themselves to the Principal and Professors as candidates for the Bursaries. Certificate forms may be obtained from the Registrar, The University. Competitors select their examination subjects according to the rules of the Bursary Examination held in June.

*Bursars*—Joseph B. Bushe, 1913; Joseph Caldwell, 1915.

**PENDER MEMORIAL BURSARY.**—Founded in 1898 by a Committee of which the Marquis of Tweeddale was Chairman to commemorate the leading part taken by the late Sir John Pender, G.C.M.G., in the establishment and development of Submarine Telegraphy and in its extension throughout the world. The fund consists of about £1,650, and the annual value is about £60. The regulations in force until 1914 will be found in the *Calendars* of 1913-14 and previous sessions. The following regulations were in 1914 approved by the Senate after communication with the Royal Technical College, Glasgow: 1. That two Bursaries be established, each tenable for two years (one being awarded each year), and that the available annual revenue (approximately £60) be divided equally between them. In the event of a casual vacancy occurring, leaving any portion of the revenue for a particular year unappropriated, a supplementary Bursary for one year may be awarded under like conditions in the following year, of the value of the unappropriated sum. 2. That the Bursaries shall be open to *all* undergraduates of the University who have passed the Preliminary Examination and have attended, either in the University or in the Royal Technical

College, a full course of study covering the subjects of the First Science Examination. 3. That the Bursaries shall be awarded by the Royal Technical College Board of Studies, after consideration of the reports of the Examiners for the College Competitive Examination for Atkinson and Hart Bursaries. The examination is in the following five subjects, of which competitors may choose three only: Mathematics, Engineering Drawing, Physics, Mechanics, and Inorganic Chemistry. 4. That the Bursaries shall be tenable either in the University or in the Royal Technical College, but the bursars shall be required to follow a course of study qualifying for the degree of B.Sc. in Engineering, including a full course of lectures and laboratory practice in Electrical Engineering.

*Bursar*—James Small, 1916.

PERTHSHIRE SOCIETY (GLASGOW) BURSARY (*Arts*).—Founded by the Glasgow Perthshire Society in 1873. Value, £25, and tenable for three years. Open to competition to natives and sons of natives of the county of Perth, and also to sons of persons who are *bond fide* residents in that county, and have resided in it for not less than three years at the time of the competition. Candidates must be entering on their first year of attendance as students in the University of Glasgow, and the holder of the Bursary will be required to complete attendance on at least two of the classes in the curriculum of Arts in each session. When a vacancy occurs names of candidates should be sent to the Secretary of the Society, Mr. George Gray, 113 St. Vincent Street, Glasgow, before 30th April.

*Bursar*—John P. Maxton, 1915.

POLLOCK BURSARIES (*Arts*).—Founded in 1878, in terms of the Trust Disposition and Settlement of the Rev. Alex. Pollock, senior minister of the Free South Church, Paisley, who bequeathed £3,000, free of legacy duty, for that purpose. The Bursaries are at present each of the annual value of £38, and are designed to assist young men entering the University of Glasgow, whose circumstances are such as to render it desirable that they should have assistance in prosecuting their studies. The patrons are the Principal and Professors in the Faculty of Arts. Competitors select their examination subjects according to the rules of the Bursary Examination held in June. Each candidate must lodge along with his application a letter from the Rector, Headmaster, or Classical Teacher of one of the Public Schools or Public Academies within the parliamentary boundaries of the burgh of Paisley, where a regular course of Classical study is pursued, certifying that he has completed his course of education at such school or academy. Certificate forms may be obtained from the Registrar, The University. Should no such qualified candidates present themselves, or should the otherwise qualified candidates fail to reach a satisfactory standard in the Bursary Ex-

amination, the Bursary or Bursaries vacant for the time being shall be open to all the candidates in the ordinary Bursary Competition. The Bursaries are three in number, and are tenable for three years, during which period the Bursars must be students in the Faculty of Arts. The second moiety of the third year's Bursar shall not be paid until the Bursar shall have passed the examinations in four subjects taken out of at least two departments for graduation in Arts.

*Bursars*—Andrew P. Lochrie, 1914 ; James S. Herd, 1915.

T. AND V. PRATT BURSARIES (*Any Faculty*).—The late Mr. Thomas Pratt, who resided at Castleyett, near Lanark, by his Trust Disposition and Settlement, dated 22nd December, 1877, directed his Trustees, as soon after his death as convenient for them, to set apart and invest in name of themselves and such other Trustees as they might deem suitable, a sum to yield an annual income of £40, for the purpose of establishing two Bursaries of £20 each, to be called the T. and V. Pratt Bursaries, to assist in maintaining and educating two students in the University of Glasgow or Edinburgh. The necessary funds have now been set aside and invested in name of Trustees for this purpose. The Bursaries are open to sons and daughters of working men residing in or belonging to the United Parishes of Wiston and Robertson, and the Parish of Lamington. His Majesty's Inspector of Schools for the district is to name the candidates found after examination to be best qualified and most deserving of the Bursaries, and the examination which, with the concurrence of the Trustees, he at present prescribes is the General Bursary Competition Examination in Arts at Glasgow University. The Bursaries are tenable for four years, or such shorter time as the Bursar may remain at the University, unless the Trustees are dissatisfied with the Bursar's conduct or diligence. When a vacancy occurs, applications should be lodged with the Trustees' Agents, Messrs. Fyfe, MacLean & Co., Writers, 115 St. Vincent Street, Glasgow, before 30th April. (Two Bursaries vacant.)

RAINY BURSARIES (*Medicine*).—In 1872, Dr. Harry Rainy, Emeritus Professor of Medical Jurisprudence in this University, made over to the Senate the sum of £1,000 for the institution of two Bursaries in the Faculty of Medicine, and a further sum of £500 to be invested as a supplementary or augmentation fund. The interest of the Bursary Fund is to be divided annually between the two Bursars ; and the interest of the supplementary fund is to be employed towards defraying the expenses of administration, and bringing up, when necessary, the annual salaries of the Bursars to £20 each, and increasing the supplementary fund. Should this fund accumulate to £1,000, one half of it is then to be added to the Bursary fund, the interest of which shall be divided as before between the two Bursars. If by this process of augmentation,



which is to be repeated as often as the supplementary fund amounts to £1,000, the Bursary fund shall at length yield £60 per annum to each Bursar, the Senate may continue the same process, or constitute additional Bursaries on the principle explained above, the original Bursaries remaining of the value to which they have been raised by augmentation. The augmentation fund is not at any time to be reduced below £500.

The successful candidate may hold his Bursary for two years, namely, during his fourth and fifth years of study in the University of Glasgow. A vacancy occasioned by death, irregular attendance, or misconduct, is not to be filled up till the usual term at which the competition for that Bursary would have fallen due, and accumulations from this source are to be added to the supplementary fund.

A Rainy Bursary will be awarded in November, 1916, to the qualified candidate who, not being the holder of a bursary of equal or greater value, shall be found to have passed in the year 1916 in Anatomy and Physiology of the second Professional examination, and whose aggregate of marks in these subjects and in Chemistry, Botany and Zoology of the first Professional examination, is the highest.

*Bursar*—John Donald, 1915.

RAMSAY WALKER BURSARIES (*Arts*).—Two in number, founded in 1879, under the Trust Disposition and Settlement of Miss Ramsay Walker, Crosshill, who bequeathed £700, reduced by legacy duty to £630, for educating two students with a view to the ministry of the Established Church of Scotland. Preference to kindred of the founder, whom failing, to students of the name of Walker, whom failing, to natives of Glasgow, whom failing, the Bursaries will be thrown open to public competition. Candidates must be qualified by their previous education for entering the University. The Bursaries are each of the annual value of £15, and tenable for four years.

*Bursar*—James Craigie, 1913.

ROSS BURSARY.—(See Hyndford and Ross, p. 428.)

JOHN ROSS, JUNIOR, BURSARY (*Theology*).—Founded in 1880 by Mrs. Ross, widow of Mr. John Ross, junior, merchant in Glasgow, in memory of her husband. Patrons—The Senate of the University. The Bursary Fund consists of the capital sum of £1,000, set aside by Mrs. Ross for that purpose, and the present annual value is £35. The Bursary is tenable for three years by a student of Divinity in the regular course of study for the degree of Bachelor of Divinity with a view of becoming a clergyman of the Established Church of Scotland. Candidates must be entering on the first session of their study in Theology in the University, and the award shall be determined by the result of the annual competitive examination for Bursaries in Theology. In cases of equality

in the competition there is a preference to the student who may be thought to stand most in need of help to carry on his theological studies, or to one who is a native of Ayrshire. The second moiety of the third year's Bursar shall not be paid to any Bursar unless and until he shall have passed all the examinations required for the degree of B.D. In the case of a vacancy occurring otherwise than by lapse of time, the Senate may appoint, with or without examination, a student of the same standing as the previous Bursar.

*Bursar*—James A. M. Miller, 1914.

SANDERS BURSARY.—(See Boyd and Sanders Bursary, p. 402.)

(SIR WALTER) SCOTT BURSARIES (*Arts*).—The centenary of the birth of Sir Walter Scott was celebrated in Glasgow in 1871, and in conformity with a suggestion made by Lord Stanley (Earl of Derby), then Lord Rector of the University, the committee who had charge of the arrangements resolved to raise by public subscription a fund for the benefit of distinguished students, and to associate it with Scott's name. The amount subscribed was £3,500, and accordingly two Bursaries, along with the Scott Scholarship, were founded in 1874. The fund is administered by trustees, two of whom are elected by the Senatus, two by the Merchants' House, one by the Royal Faculty of Physicians and Surgeons, one by the Faculty of Procurators, and one being an Assessor of the Council in the University Court, appointed by the four Assessors or a majority of them, in accordance with the provisions of Ordinance No. 91 of the Universities Commission (1889). The Bursaries are now four in number, each of the annual value of £25, and tenable for four years. They are open to free competition, under the same regulations as the competition Bursaries in the University. Secretary and Treasurer, R. H. Ballantine, C.A., 116 Hope Street, Glasgow.

*Bursars*—John P. McHutchison, 1913; Jane F. Healey, 1914; Jessie F. Robb, 1915.

SHEARER BURSARIES (*Any Faculty*).—Founded in the year 1887, by Archibald Shearer of Boag, who resided in Beith. By Deed of Mortification executed by Mr. Shearer dated 29th April, 1887, he conveyed his lands of Boag, in the parish of Kilbirnie, to trustees for the foundation and endowment of three Bursaries for the advancement of the higher education of the young men of his native parish of Dalry, in the county of Ayr. The Deed provides that the Bursaries shall be open to applicants between the ages of fourteen and twenty-four, who are the sons of parents or of a surviving parent *bona fide* resident for a period of not less than two years immediately preceding the date of application in the parish of Dalry, or to applicants who, for a period of not less than

the last two years of their school curriculum, have received their education in the schools within the said parish, to enable the Bursars to pursue their education as students at the University in one or other of the Faculties. Students who have enjoyed a Bursary during their Arts course are eligible for a second Bursary in another Faculty. Applicants to undergo such examination as the trustees may from time to time appoint. Each Bursary to be one-third of free income from the lands of Boag, but not exceeding the annual sum of £30, and to be tenable for three years. Further information will be afforded by the Agents of the Trustees, Messrs. J. & J. McCosh, writers, Dalry. (No vacancy.)

**SHIPWRIGHTS' COMPANY BURSARY.**—The Fishmongers Company of London has placed the sum of £50 per annum at the disposal of the Educational Trust Fund Committee of the Shipwrights' Company for a period of three years that a Scholarship or Bursary may be given to a deserving student of Naval Architecture in this University. Appointment to the Bursary rests with the Educational Trust Fund Committee, and when a vacancy occurs the Senate is invited to nominate a promising and deserving student.

**SIMSON BURSARY (*Arts or Divinity*).**—A Simson bursary of about £21 for a student of Arts or Divinity preparing for the Ministry of the Church of Scotland, or as a Missionary going abroad. Natives of Dunbar have preference if they apply before 1st September to the Session Clerk, Dunbar.

**SMITH (CRUTHERLAND) BURSARY (*Any Faculty*).**—In 1849 Dr. John Smith of Crutherland founded two bursaries, which were not restricted to any particular Faculty. Patrons—the Directors of the Incorporated Company of Stationers. Sons of members of the Company are preferred, then sons of persons connected with any of the trades included in their charter, whom failing, such other students as may be approved of by the patrons. The bursaries were tenable for one or more years at the option of the patrons. Ordinance No. 77, issued on 15th February, 1895, provides that the two bursaries shall hereafter be conjoined into one, and that the bursary shall be tenable for four years. If a bursar in Arts graduate at the end of three years, he shall only retain his bursary during the fourth year of tenure if he shall engage in a course of study approved by the Senate in subject included in the curriculum for Degrees in Arts or in Pure Science. If a bursar in Divinity graduate at the end of three years he shall only retain his bursary during the fourth year of tenure if he shall engage in a course of study in Divinity approved by the Senate. Applications to be made before 23rd April to Mr. William Brodie, 77 St. Vincent Street, Glasgow.

STEVENSON OF DALRY BURSARIES (*Arts*).—The Rev. Robert Stevenson, D.D., minister of the Parish of Dalry, Ayrshire, who died on 11th September, 1890, by his Trust Disposition and Settlement dated 28th July, 1890, directed his Trustees to pay over to the University Court the sum of £2,000, free of legacy duty, for the foundation of two Bursaries in Arts. They are open for competition to students entering on the first or second session of attendance in the Faculty of Arts, who are prosecuting their studies with a view to the ministry of the Church of Scotland, with a preference in the first place to natives of the parish of Dalry in Ayrshire, and in the second place to natives of the parishes of Bannockburn or St. Ninians in Stirlingshire. The Bursaries, which are each of the annual value of £33, are tenable for four years.

*Bursar*—Robert G. M. Calderwood, 1913.

ANDREW AND BETHIA STEWART BURSARIES (*Arts and Law or Medicine*).—Miss Bethia Stewart, of Moss-side Park, Crossmyloof, who died on 10th April, 1902, directed her Trustees to give effect to the wishes of her brother Andrew Stewart, who predeceased her, by applying the income of the residue of her estate to the payment of bursaries for necessitous deserving students in the University of Glasgow.

The Bursaries in Arts are each of the annual value of £20, and are tenable for three years (in the case of 1909 and later appointments). Candidates must have qualified for the Arts Course by passing the University Preliminary Examination in Arts, or its equivalent, and must undergo a written examination, comprising an English Essay, and papers in *either French or German or Italian*, and also an oral examination in the foreign language selected by the candidate for the written competition.

The Bursaries in Law or Medicine are each of the annual value of £50, and are tenable for three years. Candidates must be Masters of Arts of the University of Glasgow, and must undergo a written examination, comprising an English Essay, and papers in not more than two of the following subjects, viz., Latin, Greek, French, German, Mathematics, and also an oral examination in the subjects selected by the candidate for the written competition.

A number of Bursaries in Arts, and one in Law or Medicine, will be open for competition in October, 1916. The names of candidates should be entered not later than 1st September with Messrs. John Steuart and Gillies, Writers, 204 West George Street, Glasgow, from whom further information and Forms of Application may be obtained.

*Bursars in Arts*—Marie S. Fallet, 1913; Marion A. H. Ellis, 1913; Jeanie M. Sutherland, 1913; James Park, 1913; David Carlyle, 1913; Roberta R. Cook, 1913; Arabella M. Hamilton,

1913 ; Margaret L. Shields, 1913 ; Helen D. Nimmo, 1914 ; James Brown, 1914 ; Mary D. Miller, 1914 ; Dorothea A. Paton, 1914 ; John Weir, 1914 ; Margaret S. Bryson, 1914 ; Jane G. Johnston, 1914 ; Rose I. Fallet, 1915 ; Lilian M'Donald, 1915 ; Agnes B. Hastie, 1915 ; Flora Armstrong, 1915 ; Annie P. Coupland, 1915 ; Catherine G. Fulton, 1915 ; Janet F. Rodger, 1915 ; Florence M. Campbell, 1915 ; Margaret L. Welsh, 1915.

*Bursars in Law*—John Phemister, 1913 ; John A. Black, 1913 ; Gavin Lawson, 1914.

*Bursar in Medicine*—Archibald S. Strachan, 1913.

**STEWART BURSARIES (Arts).**—These Bursaries, three in number, founded in 1809 by the Rev. James Stewart, are in the gift of the Senate. They commence with the Humanity or the Greek Class, and may be held during the Gown Course. Value, £15 per annum each. The names Stewart and Simpson were preferred, but this preference was cancelled by Ordinance No. 57 of the Universities Commission (1889). In case of a vacancy, a student of the same standing is appointed. The Senate, acting under Section XIII. of the said Ordinance, have resolved to award one of the Stewart Bursaries in respect of exceptional distinction in English, to a student of the first year who, having passed the Arts Preliminary, has gained the highest marks in English in the Bursary Examination and has not obtained a bursary for general excellence.

*Bursars*—Catharine Boyd, 1915 ; William J. Wood (English), 1915.

**STILLIE BURSARY IN MUSIC.**—This Bursary was founded by Mrs. Thomas Stillie in 1885, the Trustees being the Executive Council of Queen Margaret College, and their successors in office. The Trustees were to apply the annual proceeds of the investment of £125 in providing one Bursary, to be granted yearly to a student of Music, as a reward for proficiency in Music, and an encouragement to further study. The Trustees were empowered to make such regulations as they should see fit from time to time for testing the merits of the candidates, and also for prescribing the age of candidates and the course of study to be pursued in connection with Queen Margaret College or otherwise, which the Trustees might desiderate as a condition of awarding the Bursary. The University Court, having taken over Queen Margaret College, are the successors in office of the Executive Council of Queen Margaret College in respect of the Stillie Bursary Fund, which in January, 1895, amounted to £160. The following regulations have been adopted by the Court:—  
1. The Bursary shall be awarded in connection with the practical Examinations in Music conducted in Glasgow by the Associated Board of the Royal Academy of Music and the Royal College of Music in the spring of each year. 2. The Bursary shall be

awarded by the Senate on a report by the Examiners of the said Board. 3. Only candidates for the Advanced Grade Local Centre Examination shall be eligible, and the Bursary shall be awarded to the candidate examined in Glasgow who shall obtain the highest number of marks in that practical examination. 4. The Bursary shall not be awarded if the candidate with the highest number of marks has not obtained honours; and in that case the proceeds shall be added to the capital fund.

DR. STRANG, BURSARIES (*Science*).—Mrs. Machen of FernieCraig, Skelmorlie, who died on 15th October, 1894, left funds for the foundation of four Bursaries, each of the annual value of £20, to be instituted in connection with the University of Glasgow, in memory of her brother, the late Dr. John Strang, City Chamberlain of Glasgow from 1834 to 1863. The Trustees under their powers have meanwhile agreed that these Bursaries should be tenable by students of Engineering Science in the University of Glasgow. Each Bursary is tenable for three years. The Bursaries shall be awarded on the results of the Bursary Examination held in June, but no candidate shall be appointed to a Bursary unless he also passes the whole Science Preliminary Examination. Each Bursar shall be required to attend a course qualifying him for graduation in Engineering Science on the side of Engineering.

The Bursaries shall be payable by equal moieties in the month of January and at the close of the winter session, but the second moiety of the second year's Bursary shall not be paid until the student has passed the First Science Examination for B.Sc. in Engineering Science, except in special circumstances. A student holding another Bursary may, in the discretion of the Trustees, be also appointed to a Strang Bursary.

In each of the years in which two appointments fall to be made, the Trustees, in appointing to the second Bursary, will take into account, not only the results of the examination, but also, and specially, other circumstances (financial and otherwise) affecting the candidates.

Further particulars may be obtained from Professor Cormack, D.Sc., Engineering Department, University of Glasgow, or from Messrs. Kerr & Barrie, Solicitors, 149 St. Vincent Street, Glasgow.

*Bursars*—William Wallace, 1914; Ernest C. McLaren, 1915.

STRUTHERS BURSARY.—(See Gilhagie and Struthers Bursary p. 419.)

TAYLOR BURSARIES (*Any Faculty*).—Two in number, founded by Mr. James Taylor, writer in Glasgow, who by Trust Disposition and Settlement of date 30th June, 1857, bequeathed to the University the sum of £800 for Bursaries. After Mr. Taylor's death, the trustees found that the estate was not sufficient to pay the various legacies in full. They paid over to the University in January, 1868,

the sum of £560, and in September, 1878, a further and final dividend of £80, making in all £640, the free proceeds of which are applied to the payment of the two Bursars. Present annual value to each holder is £10. The Senate are Patrons. The preference given to the names Tayler or Taylor, Ronald, Dunlop, Henderson, and M'Arthur, was cancelled by Ordinance No. 57 of the Universities Commission (1889).

*Bursars*—David Carlyle, 1913; Jean C. Armishaw, 1914.

JAMES THOMSON PHILOSOPHICAL ENTRANCE BURSARY (*Arts, Phil.*).—Founded by subscription in 1878 in memory of James Thomson, M.A., a distinguished student of this University, who died in 1876 before the close of his theological curriculum. The Bursary consists of the proceeds of a sum of about £300 (about £11), and is tenable for two years. It is awarded biennially for the best examination in (a) Mental Philosophy and (b) English Literature alternately. The examination is open to all students of the first and second year who have not already attended the Logic, Moral Philosophy, or English Literature Class, and who have not attended a session in any other Scottish University. The Bursary is payable in four instalments, but the last instalment will not be paid till the Bursar has passed his examinations in Latin and Greek for the M.A. Degree in Glasgow University.

The subjects of examination in Mental Philosophy are the same as for the John Ferguson Jaffrey Bursary. The subjects of examination in English Literature are—Milton, Early Poems; Dryden, *Absalom and Achitophel*; Lamb, Essays of Elia; Shakespeare, *King Lear*, *Twelfth Night*.

*Bursar*—<sup>1</sup>Robert A. Robertson (Eng. Lit.), 1914.

WALKINSHAW YOUNG BURSARY (*Law*).—Founded in 1878 by Major Young, Dunmore, Kirn, who bequeathed to the University a sum of £500, free of legacy duty, for promoting any useful branch of Education which the Principal and Professors may think proper. Present annual value, £18.

The following regulations have been adopted :—

1. The Bursary shall be awarded on the results of the Bursary Examination held in June.
2. The Bursary shall be tenable for two years, during which the holder shall give regular attendance as a public student in the Faculty of Law in the University, to the satisfaction of the Senate.
3. The Bursary shall not be tenable along with any other Bursary or Scholarship in the University.

WALTON BURSARY (*Medicine*).—This Bursary was founded in 1763 by Dr. William Walton, Huntingdon, for a student in Medicine. The Earl of Sandwich has the right of appointing to the Bursary

<sup>1</sup> Vacant through lapse of time.

one of two students nominated by the Senate. Preference is given to "Students of the English Nation." The Bursary may be held for four years. Value about £35 per annum.

*Bursar*—Jules S. Martin, 1915.

WEDDERBURN OGILVY BURSARIES (*Arts, Science, or Medicine*).—These Bursaries, two in number, were founded by the late Mrs. Catherine L. H. Wedderburn Ogilvy of Kilry, Forfarshire (a daughter of William Ramsay, M.A., Professor of Humanity, 1831-63), who directed the Trustees acting under her Trust Disposition and Settlement, dated 17th Nov., 1905, to set apart and pay over to the University Court a capital sum of £2000 to found and maintain two Bursaries or Scholarships in connection with the University of Glasgow. The following regulations, which include certain provisions embodied in the Trust Disposition, have been drawn up:

HEAD A.—1. Two Bursaries of the annual value of £30 each are open to young men who can satisfy the Senate that they are connected with the Parish of Persie in the County of Perth, or the Parish of Kilry in the County of Forfar, by birth, residence, or education—the period of connection to be required under either of the two last-mentioned qualifications being not less than two years. 2. Candidates must pass the Preliminary Examination required by the University for admission to a Degree in one of the Faculties of Arts, Science, or Medicine, or any other examination accepted by the Senate as equivalent thereto. 3. Each Bursar during his tenure of the Bursary shall prosecute a regular course with a view to qualifying for a Degree in Arts, Science, or Medicine, taking in each Session or Term not less than two of the classes qualifying for such Degree. 4. In the event of two or more Candidates qualified under this head presenting themselves for any vacant Bursary, the Bursary shall be awarded by competition at the Annual Bursary Competition. 5. Each Bursary shall in the ordinary case be held for three years. 6. The Senate may, however, continue the Bursary for a fourth year upon a favourable report being received of the Bursar's conduct and progress in study.

HEAD B.—In the event of there being at any time, in consequence of the failure of Candidates under Head A, or otherwise, a sufficient amount of unapplied income available for the purpose, a Bursary or Bursaries of such amount as the University Court shall determine, may be awarded to any young man or young men connected (in the manner provided under Head A hereof) with any Parish or School in the County of Perth. The following regulations shall apply to Bursaries awarded under this head: 1. Candidates must pass the Preliminary Examination required by the University for the admission to the curriculum for the Degree of Master of Arts



or any other examination recognised by the University as equivalent thereto. 2. In the event of there being more than one Candidate qualified under this head the Bursary or Bursaries shall be awarded by competition at the Annual Bursary Competition, but in awarding the same the Examiner shall have regard to the proficiency shewn by the candidates in Latin and Greek only, without taking any other subject into consideration. 3. Each Bursar shall study for the M.A. degree, taking a course of not less than five subjects, and of these subjects Latin and Greek shall each be studied by attendance during at least two sessions on qualifying classes therein. 4. Each Bursary shall be tenable in the ordinary case for three years, but may be continued by the Senate (in their discretion) for a fourth year should the Bursar be prepared to take honours in Classics, or for any special reason approved by the Senate. 5. Such Bursary or Bursaries may be held at the same time (although not by the same person or persons) as the Bursaries provided for under Head A hereof.

GENERAL REGULATIONS.—1. The Bursaries may be held along with any other Bursaries or Scholarships which the holder may obtain either by competition or otherwise. 2. All candidates are required to send in their names to the Clerk of the Senate not later than the 1st day of June preceding the session or year in which a vacancy shall be due to occur,—beginning 1st June, 1912. (*The date fixed by the Senate for 1916 was 15th May.*) 3. The Senate are empowered at any time to withhold payment of a Bursary from any Bursar whose conduct or diligence shall be reported to them as unsatisfactory.

*Bursar*—John Finlayson, 1913.

ANDREW WEIR BURSARY (*Medicine*).—Founded in 1884, in terms of a Bequest by Mrs. Janet Maxwell or Weir, relict of Andrew Weir, feuar in Paisley. Mrs. Weir bequeathed the sum of £500 to the University, and directed the annual income (about £18) to be devoted to maintaining a Bursary in connection with the Medical School, in such a manner as the Senate may appoint. The Bursary is in memory of a son of the founder, Andrew Weir, a medical student of Glasgow University, who held subsequently the post of Resident Physician in the Paisley Infirmary, and in the discharge of his duties there contracted a fever, of which he died. The Bursary is awarded annually at the beginning of the Winter Session, in accordance with the results of the second and third professional examinations, account being taken of the marks gained by all students who have passed both of these examinations within a period not exceeding thirteen months, reckoning backward from the date of the professional examinations in October of each year. During the tenure of this Bursary, which may be held along with

another Bursary, the holder shall be bound to give regular attendance on the classes of the medical curriculum in the University.

*Bursar*—William R. D. Hamilton, 1915.

WILLIAM WHYTE BURSARIES (*Arts, Law, or Medicine*).—Four in number, founded in 1893 in memory of Mr. William Whyte, at one time Preceptor of Hutchesons' Hospital, in accordance with instructions contained in the Trust Disposition and Settlement of his daughter, Mrs. Isabella Whyte or Bamber, who died in 1882. The Trustees executed a Deed of Mortification transferring £2,000, less legacy duty, to Hutchesons' Hospital. The Bursaries are each of the annual value of £25, and are tenable for four sessions in the Faculties of Arts, Law, or Medicine. They are open to competition by boys who have attended and completed the curriculum in the Secondary Department of Hutchesons' Grammar School. Candidates must give in their names to Messrs. Hill & Hoggan before 30th April in each year, to be sent to the Registrar, that they may be entered for the University Entrance Bursary Competition. One Bursary will be awarded every year to the candidate highest in the order of merit who shall not have gained and elected to hold a Bursary of equal or higher value at the general competition, provided his attainments have reached a standard satisfactory to the Patrons of Hutchesons' Hospital.

The sum of £408 15s. 8d. at the credit of the Fund at 31st December, 1892, is to be allowed to accumulate until that sum, with such additions as may accrue from any portion of the income that may not be required for the purposes aforesaid, shall amount to a sum which will produce a return of £20 yearly. There shall then be instituted a Bursary of that value, to be competed for by girls educated in Hutchesons' Girls' School, which Bursary shall be tenable at the University of Glasgow.

*Bursars*—Jacob Lipschitz, 1913 ; George A. Lowe, 1914 ; Robert D. Gillespie, 1915.

KING WILLIAM'S BURSARIES (*Two in Arts and Two in Theology*).—These Bursaries, founded by his Majesty King William III. in 1695, were formerly six in number and known as the Exchequer Bursaries. They were tenable for six years—the first in Logic, the second in Moral Philosophy, the third in Natural Philosophy, and the last three in Divinity. The bursars in Philosophy received £10 per annum each, and those in Divinity £13 6s. 8d. The Foundation was regulated by Act of Parliament, 1758. By Ordinance No. 99 the Universities Commission (1889) altered the conditions and directions affecting the Foundation, making two Bursaries in the Faculty of Arts, each of the annual value of £15, and two in the Faculty of Divinity each of the annual value of £20. Each of the

Bursaries is tenable for three years, and no longer. The Bursaries in Arts are open by competition to all students entering on their first year of attendance on a course of study for graduation in Arts. The Bursaries in Divinity are open by competition to all students who are Masters of Arts, or who have passed all the examinations necessary for graduation in Arts, and who are entering on their first year of attendance on a course of study for graduation in Divinity. In other respects the provisions of University Court Ordinance No. XXVII. apply to the Bursaries on this foundation.

*Bursars in Divinity*—<sup>1</sup> Robert S. M'Clelland, 1913; <sup>1</sup> James L. F. Scott, 1913.

*Bursars in Arts*—George G. Honeyman, 1915; Alex. J. L. Matthewson, 1915.

**WILLIAMS BURSARIES (*Arts and Theology*).**—The Rev. Dr. Daniel Williams, London, who died in 1716, founded bursaries tenable at the University of Glasgow by youths of South Britain, who shall be designed for the Ministry. The appointment rests with Dr. Williams's Trustees. In 1913 and thereafter the Bursaries will be awarded on the results of the Bursary Examination held in June. The Bursaries, £40 each per annum, are tenable for three years, but may, in the discretion of the Trustees, be renewed for a fourth year, either to enable the student to take Honours, or to enable him, after graduating, to enter the Divinity Hall. If the Bursary be continued after graduation and held in the Divinity Hall, the amount is raised to £45. Bursars must enter as public students of the University, and must therefore satisfy the requirements of the Preliminary Examination in Arts. Each applicant must satisfy the Trustees that he intends to enter the Protestant Dissenting Ministry, and is required to lodge with them certain other certificates. Full information may be obtained from the Secretary of the Trust, Dr. Williams's Library, Gordon Square, London, W.C.

*Bursar*—Robert S. Watson, 1913.

**WILSONE BURSARY.**—(See Boyd and Wilson, p. 403.)

**GEORGE YOUNG BURSARY (*Science*).**—By Trust Disposition and Settlement of date 30th August, 1892, Mrs. Catherine M'Farlane or Young, who died at Helensburgh on 4th November, 1893, directed her Trustees to make over to the Senate of the University of Glasgow the sum of £1,000, free of legacy duty, for the purpose of founding, in memory of her husband and son, a Bursary in connection with the class of Civil Engineering, on such terms and con-

<sup>1</sup> Vacant through lapse of time.

ditions as the Senate should from time to time fix. The Senate have determined that the Bursary shall, upon the recommendation of the Faculty of Science, be awarded to the candidate who has the best record in his First Science Examination. Students who have passed the whole of that examination or at least in Mathematics and Natural Philosophy with or without the higher branches specified in Ordinance No. 23, Section ix., Subsections 1 and 2, may offer themselves as candidates, but students who have completed the qualifying attendance in Engineering shall not be eligible. The Bursary is £38 of value, and is tenable for one year, during which the Bursar must attend a course of Laboratory Practice in Engineering and either a course (or half course) of Engineering Lectures or a course of Engineering Drawing. Appointment in the month of October.

*Bursar*—Charles P. Tanner, 1915.

MAJOR YOUNG'S FUND BURSARIES (*Law*).—Two in number, founded in 1890 by the Trustees of the late Major Young, founder of the Walkinshaw Young Bursary. The amount of the Bursary Fund is about £1,312, and each of the Bursars receives one half of the free annual income thereof (about £26). In accordance with Major Young's desire, the Bursaries are open only to applicants whose pecuniary circumstances are such as in the judgment of the Senate render it desirable that they should have assistance in prosecuting their studies at the University, preference being given, *ceteris paribus*, to natives of Argyllshire or Renfrewshire. One of the Bursaries is tenable for six years, and is awarded by competitive examination to a student of the first year who intends to study for a Degree in Law. The Bursar is required during his tenure of the Bursary to attend such classes and to pass such examinations for a Degree in Law as shall be held by the Senate to correspond to the successive stages of his course and he must attend a class or classes in the Faculty of Law during at least the last two years of his tenure of the Bursary. The other Bursary is tenable for two years, and is awarded by competitive examination upon subjects prescribed by the Senate. Candidates must have expressed their intention of attending the classes of Scots Law and Conveyancing, and the Bursar must attend these classes in separate sessions during his tenure of the Bursary. Either of these Bursaries may be held with any other Bursary, Scholarship, or Prize in the University, but both shall not be held together by one Bursar. The subjects of examination are those prescribed for the General Bursary Competition.

*Bursar*—Robert D. Allison (2 years), 1915.

## 2. EXHIBITIONS, FELLOWSHIPS, AND SCHOLARSHIPS.

## ALPHABETICALLY ARRANGED.

N.B.—In cases in which a Scholarship or Fellowship falls vacant otherwise than by lapse of time, the Senate may, except where it is inconsistent with the deed of foundation, hold a competition, and make an appointment for the remainder of the period for which such Fellowship or Scholarship may be held. At the next ordinary competition no student shall be excluded from the competition by reason of his having previously been appointed to fill a vacancy for less than the full period; but in no case shall any student hold such Scholarship or Fellowship for longer than the full period fixed in the regulations applicable to such foundation.

FOUNDATION.	No. of Scholarships, &c.	TENABLE BY	Approximate Annual Value of each.
Barbour, - - - -	1	Masters of Arts of Glasgow Univ.,	£200
Black Theological, - -	1	Masters of Arts of Scot. Univ., -	£154
Breadalbane, - - -	2	M.A. or B.Sc., Eng., Glas. Univ.,	£56
Clark, George A., - -	4	3 M.A., 1 M.A. or B.Sc., do.	£170
Clark, John, ( <i>Mile-end</i> ), <sup>1</sup>	12	Arts Students at close of Curric.,	£50
Coats Memorial, - -	1	Medical Graduates of Glas. Univ.,	£85
Donaldson, Alexander,	1	Candidates for B.Sc. (Chemistry),	£44
Donaldson, Robert, -	2	Bachelors of Science of Gl. Univ.,	£66
Eglinton, <sup>1</sup> - - - -	2	Masters of Arts of do.	£65
Euing, William, - -	3	Do. do.	£100
1851 Exhibition Science,	2	Science Students, - - - -	£150
Ferguson, - - - -	6	Masters of Arts of Scot. Univ., -	£80
Foulis Memorial, - -	1	Medical Graduates or Licentiates,	£50
Grocers Company, - -	2	Research Stud. in Public Health,	£300
Houldsworth, - - -	1	Research Students in Nat. Phil.,	£150
Lloyd's Register, - -	3	Students of Naval Architecture,	£50
Lowson, P.A., - - -	1	(See page 486), - - - -	£70
Luke, - - - -	1	Masters of Arts of Glas. Univ., -	£95
MacCunn, <sup>1</sup> - - - -	4	Medical Graduates of Scot. Univ.,	£100
Mackay Smith, - - -	2	Students in Nat. Phil. and Chem.,	£48
Mackinnon, <sup>1</sup> - - - -	1	(See page 489), - - - -	£60
Metcalfe, - - - -	1	Masters of Arts of Glas. Univ.,	£120
Mining, - - - -	2	Graduates in Science, - - -	£50
Newlands, - - - -	4	Snell Exhibitioners, - - -	£83
Reid-Stewart, - - -	1	Masters of Arts of Glas. Univ., -	£60
Robertson, Robert W.,	1	LL.B. of Glas. Univ., - - -	£30
Rosebery Studentship,	1	M.A. (Hon. in History), - - -	£60
Sandford, - - - -	1	Greek Students, Glas. Univ.,	£20
Scott (Sir Walter), -	1	Masters of Arts of do.	£80
Shaw Philosophical, -	1	Do. Scot. Univ., - - -	£160
Snell (at Oxford), - -	5	Masters of Arts, etc., Glas. Univ.,	£80
Strang Steel, <sup>1</sup> - - -	1	(See page 499), - - - -	£160
Thomson Experimental	3	Students of Natural Philosophy,	£20
Watt, James, - - -	1	Bachelors of Science, - - -	£42

BARBOUR SCHOLARSHIP (*Anatomy or Physiology*).—The late Dr. John Borthwick Barbour bequeathed the residue of his personal estate, subject to the life-rent of his widow, to the University of

<sup>1</sup> Both men and women are eligible.

Glasgow for the foundation of a Scholarship for the promotion of original research in Anatomy or Physiology. The Founder directed that the free annual income (about £200) should be paid to such member of the University as should be of the standing of Master of Arts and duly declared entitled to the same after competitive examination. The following regulations made by the Senate were approved by the University Court on 10th December, 1908 :—

1. The usual period of tenure of the Barbour Scholarship shall be two years, but a scholar may be reappointed for a further period provided that no scholar shall hold the scholarship for more than four years.

2. The scholarship shall be awarded alternately in the subjects of Anatomy and of Physiology, except in the case of no eligible candidate presenting himself in one of the subjects; in this case the scholarship may be awarded in the other subject.

3. The candidate shall be expected to produce evidence of his ability to undertake original research.

4. The competitive examination shall consist of

(a) The examination of any published records of original investigation already carried out by the candidates.

(b) The examination of any unpublished records of original investigations and of any preparations made in the course of such investigations.

(c) A practical examination upon the subject—the examination to be conducted by the Professor of the subject in which the scholarship is to be awarded, along with such assessors as the Senate may appoint.

5. The scholar shall devote himself to Research under the supervision of the Professor of the subject for which the scholarship has been awarded, and he may, with the approval of the Senate and the Professor, take part in the teaching of the Department during three months in each year of tenure.

6. A report shall be submitted each year by the Professor under whose supervision the scholar is working regarding his work, whether research or teaching, and it shall be in the power of the Senate to terminate the tenure of the scholarship if this report is unsatisfactory.

*Scholar (in Physiology)*—<sup>1</sup> James H. Paul, M.A., B.Sc., 1915.

**BLACK THEOLOGICAL FELLOWSHIP.**—This fellowship, which is now of the annual value of £154, was instituted under the Will of the late Mrs. Janet Black (who died in 1876) in memory of her husband, the Rev. William Black, D.D., minister of the Barony Parish of Glasgow. Candidates must be members of the Established Church of Scotland.

<sup>1</sup> Scholar resigned.

The following regulations have been adopted by the Senate with the sanction of the University Court :—

1. The Black Theological Fellowship shall be tenable for two years.  
 2. It shall be awarded by competition open to Masters of Arts of any of the Universities of Scotland who have completed or are about to complete the ordinary curriculum of Theological study in the University of Glasgow.

3. The competition shall be held every two years in the month of April. The subjects of examination shall be those prescribed for the First Department of the Degree of B.D. *alternately* with those prescribed for the Second Department of the said Degree. In addition to those subjects, special work shall be prescribed in each Department.

4. The Fellowship shall be awarded by the Theological Faculty only when the Examiners shall report that the Candidate has attained a sufficient standard of merit.

5. The holder of the Fellowship shall, during the tenure of it, perform such duties—whether in the form of giving a short course of lectures, or of undertaking tutorial work, or otherwise—within the University, as may be assigned to him by the Faculty of Theology with the sanction of the Senate.

6. No Candidate who has gained the Fellowship at one examination shall be at liberty to compete for it a second time.

7. The Fellowship shall not be held in conjunction with any other Theological Fellowship or Scholarship falling to be awarded at the same time, or subsequently during its tenure, or, unless by special permission of the Senate, along with any other salaried appointment.

An appointment to the Fellowship will be made in April, 1918. In addition to the subjects prescribed for the first department of the examination for the Degree of B.D., the examination will extend to the following :—

*Arabic* :—Nicholson's Third Reading Book, I., II., III., 1-4 ; or alternatively *Syriac* ; Nestle's Chrestomathy, III. and IV.

*New Testament Exegesis* :—The Pastoral Epistles with Introduction.

*Apologetics* :—Materialism, Ancient and Modern.

On Apologetics the following books may be consulted : Schwegler's *History of Philosophy* ; Lange (F. A.), *History of Materialism* (translated by E. C. Thomas) ; Flint's *Antithetic Theories* ; Calderwood's *Evolution and Man's Place in Nature* ; Newman Smyth, *Through Science to Faith*, and *Constructive Natural Theology* ; Caird's *Introduction to the Philosophy of Religion* ; Ward, *Naturalism and Agnosticism* ; Merz, *Science and Religion*. Special study of the New Materialism in such writers as Mach (*Analysis of Sensa-*

tions; *Science and Mechanics*); Loeb, *Dynamics of Living Matter*; *Mechanistic Conception of Life*); Driesch (*History and Theory of Vitalism*; *Science and Philosophy of the Organism*); Bergson, *Creative Evolution*; J. Arthur Thomson, *Bible of Nature*; Bruce's *Apologetics*, chap. IV.

Present Fellow—Edward J. Harris, B.D., 1916.

BREADALBANE SCHOLARSHIPS.—The second Marquis of Breadalbane, an alumnus, and afterwards Rector of the University, gave from the first year of his Rectorship (1840-41), and during his lifetime, the sum of £100 annually, which was for some years distributed in prizes among certain classes, and afterwards appropriated to the establishment of two Scholarships, the one in Mathematical and Physical Science, and the other in Mechanical Philosophy, Chemistry, and those branches of Natural History that are connected with the Arts and Manufactures.

The Marquis died in 1862, and his Deed of Settlement made provision for the "annual payment, in all time coming, to the University of Glasgow, of the sum of £100, to be paid yearly to deserving students in this college, as scholarships or Bursaries, to be called the 'Breadalbane Scholarships,' in such manner as shall be fixed by the Senatus Academicus of the said University."

The following regulations have been approved by the Senate:—

The number of Scholarships shall be two, of £50 each per annum, for the encouragement of pure and applied Science.

The scholars shall be chosen, after competitive examination in Mathematics and Natural Philosophy, from among candidates who shall have taken the Degree of Master of Arts, or the Degree of Bachelor of Science in the Department of Engineering Science, at the University of Glasgow, within a period of not more than three years preceding the examination; provided always that students graduating at the supplementary graduation in November of any year, shall, for all purposes, be held to have graduated at the ordinary graduation in April immediately preceding.

The successful candidate shall undertake, during his tenure of the Scholarship, to give such assistance in the teaching work of the University or to follow such a course of advanced study or research in the University or elsewhere as the Senate may determine, and he shall hold his Scholarship for three years; provided that, in the latter case, at the end of the first and second years he give the Senate such evidence, by examination or otherwise, as the Senate shall deem sufficient, of having successfully prosecuted the prescribed course of study or research. The annual value of each Scholarship is now £56.

*Scholars*—<sup>1</sup>Gavin M. Hood, 1913; <sup>1</sup>David G. Ramsay, 1913.

CARNEGIE SCHOLARSHIPS AND FELLOWSHIPS.—See pp. 214-221.

<sup>1</sup> Vacant through lapse of time.



GEORGE A. CLARK BURSARIES OR SCHOLARSHIPS.—By the Will of the late Mr. George A. Clark, manufacturer, Paisley, a sum of £20,000 was bequeathed in 1872 to this University for the creation of four Bursaries, tenable each for four years. The present annual value of each is £170. The following are the regulations:—

1. One of these Bursaries shall be competed for annually, at or immediately after the October examination for Degrees in Arts or Science.

2. The four Bursaries are assigned respectively to four of the Groups of Honours enumerated in Ordinance No. 11, Section XI., of the Universities Commission (1889), viz.:—(1) Classics; (2) Mental Philosophy; (3) Mathematics and Natural Philosophy; (4) English (Language, Literature, and British History).

For the Classics Bursary or Scholarship either Masters of Arts of this University who have taken the Degree of M.A. with Honours, or students presenting themselves for the final examination for the M.A. Degree with Honours in Classics, may be candidates; for the Mental Philosophy Bursary or Scholarship, either Masters of Arts of this University who have taken the Degree of M.A. with Honours, or students presenting themselves for the final examination for the M.A. Degree with Honours in Mental Philosophy, may be candidates; for the Bursary or Scholarship in Mathematics and Natural Philosophy either Masters of Arts of this University who have taken the Degree of M.A. with Honours, or students presenting themselves for the final examination for the M.A. Degree with Honours in Mathematics and Natural Philosophy, or Bachelors of Science of this University who have taken the Degree of B.Sc. in Pure Science, or students presenting themselves for the final examination for the B.Sc. Degree in Pure Science in the subjects of Mathematics and Natural Philosophy, may be candidates; and for the Bursary or Scholarship in English either Masters of Arts of this University who have taken the Degree of M.A. with Honours, or students presenting themselves for the final examination for the M.A. Degree with Honours in English, may be candidates.

But no student shall be eligible for the examination after the expiration of more than eight winter sessions from the time of his first entering a class qualifying for the M.A. Degree or the B.Sc. Degree.

3. The successful candidate shall undertake, during his tenure of the Bursary, to give such assistance in the teaching work of the University or to follow such a course of advanced study or research in the University or elsewhere as the Senate may determine.

4. The subjects of examination each year shall be those which constitute the examination for Honours in one of the above-named Groups (the Group selected each year for examination to be publicly announced). The Senate reserve the right to with-

hold the Scholarship, should none of the Competitors reach the standard of attainment required of graduates in Arts with highest honours.

5. In the event of the examiners reporting in any year that no candidate has done sufficiently well in the subjects of that year to deserve the Scholarship, no appointment shall be made in that year; but it shall be in the power of the Senate to hold an examination for the same Scholarship, and in the same subjects, in the following year; provided that in that case the Scholarship shall be held for three years only and not for four, the surplus revenue being added to the capital of the fund. Should the same thing occur again, it shall be in the power of the Senate to appoint a Scholar for two years only, or for one year only, the examination in each case being in the same subjects as when the Scholarship was first competed for. In the same manner, in the event of a vacancy occurring in the tenure of any of the Scholarships otherwise than by lapse of time, the Senate may make an appointment for the remainder of the term for which the Scholarship might have been held by the student vacating it, and after examination in the same subjects as those for proficiency in which the Scholar was originally appointed; but in no case shall the regular rotation of subjects as above provided for be disturbed. In the competition for Scholarships to be held for less than four years, no student shall be admitted to examination who would not be eligible, as above arranged, for a Scholarship to be held for four years. In the event of a candidate being appointed to a vacancy to be filled for less than four years, and being still eligible, under the usual regulations as above, to compete for the said Scholarship on the occasion of the next regular vacancy, he shall be qualified to compete just as if he had not previously held the Scholarship, but in no case shall any student be permitted to hold the Scholarship for more than four years in all.

6. It shall not be competent for the holders of these Bursaries to hold any other Bursary or Scholarship in this University.

7. It shall be in the power of the Senate to deprive any Bursar of his Bursary, in the event of his not complying, to their satisfaction, with any of the above regulations.

8. The Examiners shall be the same as the Examiners for the Degree of M.A. with Honours in each of the several departments, and for the Degree of B.Sc.

One of these Bursaries or Scholarships will be competed for, subject to the foregoing regulations, in October, 1916. It will be tenable for four years, and the examination will be in English (Language, Literature, and British History).

Candidates are requested to give in their names to the Registrar not later than 29th August.

*Bursars*—<sup>1</sup> William L. Renwick, M.A., 1912 (English); Patrick

<sup>1</sup> Vacant through lapse of time.

M'Glynn, 1913 (Classics); Alexander Macbeath and Alexander White, 1914—equal (Mental Philosophy); William Arthur, M.A., 1915 (Math. and Nat. Phil.).

**JOHN CLARK (MILE-END) SCHOLARSHIPS.**—By the Deed of Constitution regulating the John Clark Bursaries (see page 406), the Founder, Mr. John Clark, also instituted Scholarships of £50 annual value, open for competition to all Protestant students of good moral character, sons or daughters of Protestant parents, and who have completed their curriculum in Arts in Glasgow University. The Scholarships are to be awarded to the candidates who stand highest at written examinations in the branches of learning appointed by the trustees, and are tenable for four years, subject to the condition that the Scholars give their undivided time and attention to the prosecution of their studies with a view to any of the learned professions, or, on approval of the trustees, any other profession or business they may prefer. The trustees have resolved that they will not, in ordinary circumstances, appoint to a Scholarship any one who holds a Scholarship of equal or greater value, and that no student shall be eligible for the examination after the expiry of more than eight winter sessions from the time of his first entering a qualifying class. Three Scholarships are offered for competition in October, 1916 (each tenable for four years), one in the Group of History, one in the Group of Economic Science, and one in the Group of Germanic Language.<sup>1</sup> The examination will be on the subjects prescribed for the Degree of M.A. with Honours in the respective Groups.

Names of candidates to be given in to the Registrar, The University, and also to Mr. Kidston, 50 West Regent Street, Glasgow, on or before the 29th August.

*Scholars*—<sup>2</sup>Alexander Gray (Math. and Nat. Phil.), 1912; <sup>2</sup>Thomas Jack (Ment. Phil.), 1912; Duncan Anderson, 1913 (English); Jean B. Whitson, 1913 (History); Kenneth Hayens, 1913 (Germ. Lang.); Peter C. Stephen, 1914 (Economic Science); Robert Fletcher, 1914 (Classics); James S. Thomson, 1914 (Ment. Phil.); Peter R. Purdie, 1915 (English); James Robson, 1915 (Sem. Lang.); Agnes S. Ramsay, 1915 (Math. and Nat. Phil.).

**JOSEPH COATS MEMORIAL SCHOLARSHIP.**—Founded in 1900 by the friends of the late Professor Coats, as a memorial of his distinguished services to Pathological Science, and in recognition of the ability and enthusiasm which he devoted to advance the teaching of the subject in Glasgow. The Scholarship is for the

<sup>1</sup> Should no candidate attain a sufficiently high standard in the Honours Group of Germanic Language, the Scholarship will be awarded to the candidate who attains a sufficiently high standard in one of the Honours Groups marked (j) (g) (h) on page 253. The preferential order of the groups will be (j) (g) (h).

<sup>2</sup> Vacant through lapse of time.

encouragement of original research in Pathology, is awarded biennially, and is tenable for one year. The Committee of subscribers paid over to the University Court £1,200, to the free proceeds of which for the two preceding years the Scholar is entitled during his year of tenure. Candidates must be graduates in Medicine in the University of Glasgow of not more than three years' standing. The Scholarship will be awarded by the Senate on the results of a practical examination in Pathology, conducted by the Professor of Pathology with the assistance of two other members of the Faculty of Medicine to be appointed by the Senate in the beginning of October of every second year. The successful candidate must, for nine months following the award, prosecute research in Pathology within the Pathological Institute at the Western Infirmary, or in a Laboratory elsewhere approved of by the Faculty of Medicine, and shall not engage in Medical or Surgical practice during that period. The next appointment will be made in the beginning of session 1916-17.

**ALEXANDER DONALDSON SCHOLARSHIP OR BURSARY.**—Founded in 1881 by Will of the late Mr. Alexander Donaldson, iron merchant in Glasgow, who bequeathed to the Senatus of Glasgow University £1,000, to be administered by them as patrons for the endowment of a Scholarship or Bursary, at their discretion, in connection with the said University.

The following regulations were adopted by the Senate on 1st May, 1884 :—

1. The Scholarship shall be awarded to the candidate who, presenting himself for the first examination for the Degree of B.Sc. held in the month of April, shall stand highest in Chemistry.

2. The Scholarship shall be tenable for two years.

3. The second moiety of the second year's stipend shall be paid only after the Scholar has passed all the examinations for the Degree of B.Sc.

These regulations apply to students proceeding to the Degree of B.Sc. under the new regulations for that Degree.

The next appointment will be made after the B.Sc. examination in April, 1918, and the annual value will be £44.

*Scholar*—<sup>1</sup> John A. Mair, 1914.

**ROBERT DONALDSON SCHOLARSHIPS.**—Founded in 1887 by the trustees of the late Mr. Robert Donaldson, iron merchant, Glasgow, who left £2,000 to the Senate for two Scholarships for such scientific purposes as the trustees should approve. The following tentative scheme has been approved by the trustees :—

1. The income of the fund shall be devoted for two years alternately to Scholarships in Chemistry and Biology.

<sup>1</sup> Vacant through lapse of time.

2. Each Scholarship shall be tenable for two years.
  3. Students who have taken the Degree of B.Sc. in Glasgow University shall be eligible.
  4. The appointment shall be made by the Senate on a report as to the merits of the candidate or candidates by the Professor of the subject.
  5. The scholar appointed shall devote himself for two years in this University, or for one year in this University and the other in such place as the Senate may approve, to research in the subject in which he has obtained the Scholarship. The holder of the Scholarship in Biology shall have the option of selecting Zoology or Botany as the subject of research.
  6. The Senate are not bound to make an appointment unless the candidate is in their opinion qualified.
- The appointment in November, 1916, will be in Chemistry, and the annual value will be £66.

*Scholar*—<sup>1</sup> John M. Thompson, 1914.

EGLINTON FELLOWSHIPS.—On the death of the Earl of Eglinton, formerly Rector of the University of Glasgow, a committee was formed to collect subscriptions for the purpose of commemorating in a suitable manner his virtues and public services; and, subscriptions having been received to the amount of £7,000, it was resolved by the subscribers, in 1862, to set apart £4,500 out of this sum as a Scholarship or Fellowship Fund in the University of Glasgow.

By the Trust Deed of date November 8th, 1865, the net yearly produce of the said sum (after deducting expenses) is to be appropriated to the support of one or more Fellowships, not exceeding three, to be competed for by the alumni of the College of Glasgow, and to be held for a period not exceeding four years, upon the following conditions, viz.: First,—The number of Fellowships, and the period during which the same are to be held, shall from time to time be fixed by the *Senatus Academicus* of the said University. Secondly,—The competition for the Fellowships shall be open only to deserving students who shall have taken the Degree of Master of Arts in that University at the term preceding the competition, and the Fellowships shall be awarded by the *Senatus Academicus* of the University to those students who have shown themselves in a public competition to have acquired the greatest amount of knowledge and proficiency in the branches of study embraced in the curriculum of Arts, and such branches of Natural Science as the Senate shall, from time to time, require. And, Thirdly,—The Examination for the Fellowships shall be under the direction of the *Senatus Academicus* of the University, who shall fix the subjects of examination, and the relative value of each subject in the competition, and appoint any

<sup>1</sup> Vacant through lapse of time.

of their own number, or other fit persons, to be Examinators, and make such regulations with relation to the said Fellowships, and the competition and examination therefor, as from time to time they may think fit.

The following are the regulations of the Eglinton Fellowships:—

1. The number of the Eglinton Fellowships shall be two (of about £65 per annum each), tenable for three years, subject to the approval of the Senate at the end of the first and second year.

2. The competition for the Fellowship shall be open only to deserving students who shall have taken the Degree of Master of Arts in the University of Glasgow, at the term preceding the competition.<sup>1</sup>

3. One of the Fellowships shall be open to competition in October, 1866, and thereafter triennially (1917); and the other in October, 1867, and thereafter triennially (1918).

4. The successful candidate shall undertake, during his tenure of the Fellowship, to give such assistance in the teaching work of the University or to follow such a course of advanced study or research in the University or elsewhere as the Senate may determine.

5. The Examination for the Eglinton Fellowship to be competed for in October, 1890, and thereafter sexennially (1920), shall be in Classics; and the Examination for the Eglinton Fellowship to be competed for in 1893, and thereafter sexennially (1917), shall be in Mental Philosophy.

The subjects of examination in Classics and Mental Philosophy respectively shall be the same as those for the Degree of Master of Arts with Honours.

6. The Examination for the Eglinton Fellowship to be competed for in October, 1897, and thereafter sexennially (1921), shall be in Mathematics and Natural Philosophy; and the Examination for the Eglinton Fellowship to be competed for in October, 1900, and thereafter sexennially (1918), shall be in History.

The subjects of examination in Mathematics and Natural Philosophy and in History respectively shall be the same as those for the Degree of Master of Arts with Honours.

7. The Eglinton Fellowship shall not be held along with the Snell<sup>\*</sup>Scholarship, or Breadalbane Scholarship, and the holder of the Luke Fellowship or of the Metcalfe Fellowship shall not be admitted to compete for the Eglinton Fellowship.

The next ordinary competition will take place in October, 1917, the subject of examination being Mental Philosophy.

*Fellow*—John T. Brown, 1915 (Math. and Nat. Phil.).

**WILLIAM EUING FELLOWSHIPS.**—Founded in 1874 by Mr. William Euing, insurance broker, Glasgow, who by his Will bequeathed to

<sup>1</sup> *i.e.* Either at the ordinary graduation in April or June or at the supplementary graduation in November.

the University, along with a library of rare and valuable books, the sum of £6,000 for the endowment of three Fellowships, each of the value of £80 per annum, and tenable for not more than five years. The Fellowships are open only to deserving students who have completed the regular curriculum in Arts, and taken the Degree of M.A. at this University, and are awarded after competition in the subjects of the Arts curriculum. The Fellows are required to reside in Glasgow for at least nine months in the year, and "to open private classes of limited numbers, for giving instruction to, and aiding students of the University—more especially during the vacation, or such part thereof as may be found expedient—in such studies as may be auxiliary to, or illustrative of, the course of lectures which such students may have attended, or be desirous of attending, and also to carry out the same purpose by a systematic course of private tuition."

One Fellowship is attached to the department of Classics, one to the department of Mathematics and Natural Philosophy, and one to the department of Mental Philosophy, including Logic, Moral Philosophy, and English Literature.

The regulations issued by the Senate for the successive competitions down to the year 1911 are given in the *Calendars* of preceding sessions. For 1912 and future years the regulations will be as follows:—

1. The Fellowship in the department of Classics shall be competed for in October, 1913, and thereafter at intervals of two years, the period for which the Classical Fellowship shall be ordinarily tenable.

2. The Fellowship in the department of Mental Philosophy shall be ordinarily tenable for two years, and the examination shall be held alternately in (a) Logic and Moral Philosophy, and (b) English Literature. In October, 1912, and thereafter at intervals of four years, the examination shall be in Logic and Moral Philosophy; in October, 1914, and thereafter at intervals of four years, the examination shall be in English Literature.

3. The Fellowship in the department of Mathematics and Natural Philosophy shall be competed for in October, 1913, and thereafter at intervals of three years, the period for which the Fellowship in this department shall be ordinarily held.

In the event of a candidate being appointed to a vacancy to be filled for less than two years in the department of Classics, or the department of Mental Philosophy, or for less than three years in the department of Mathematics and Natural Philosophy, and being still eligible, under the usual regulations as above, to compete for the said Fellowship on the occasion of the next regular vacancy, he shall be qualified to compete just as if he had not previously held the Fellowship, but in no case shall any student be permitted to hold the Fellowship for more than two years in all, or three years in all, respectively.

*Fellows*—<sup>1</sup>James Crawford, 1913 (Math. and Nat. Phil.) ; <sup>1</sup>John Falconer, 1914 (English Lit.) ; John A. Muir, 1915 (Classics).

EXHIBITION (1851) SCIENCE RESEARCH SCHOLARSHIPS.—Her Majesty's Commissioners for the International Exhibition of 1851 have instituted Science Scholarships, each of the annual value of £150, and tenable for two years, subject to the scholar's first year's work being deemed satisfactory by the Scientific Committee of the Commissioners. The nomination to a Scholarship has been placed at the disposal of this University in each year since 1891, and it is anticipated that similar arrangements will be made in future years.

Candidates must be British subjects, and must have been students of Science in some approved institution or institutions for a period of three years, at least the third year of the period having been spent in this University. Capacity for original research tending to advance Science or its applications is required as the main qualification. The Scholarships may be held at any University in England or abroad, or in some other institution approved of by the Commissioners ; and every scholar will, in the absence of special circumstances, be required to proceed to an institution other than that by which he is nominated. He must devote himself to some particular scientific work in connection with those branches of Science, such as Physics, Mechanics, and Chemistry, the extension of which is especially important to our national industries. A sum of £25 is reserved from the fourth half-yearly instalment, and paid by the Commissioners on receipt from the Scholar, after the expiration of his Scholarship term, of a satisfactory report of his study and research during the term.

When a nomination falls to be made in any year, due notice will be given to enable candidates to lodge their applications with the Clerk of Senate about the end of February. Every application must be accompanied by a statement of the scientific study (including original research) in which the candidate has been engaged, and of the work to which he proposes to devote himself if appointed to the Scholarship.

*Scholar*—Alexander Scott, 1914.

FERGUSON SCHOLARSHIPS.—With a view to the encouragement of the higher learning in Scotland, the trustees of the late Mr. Ferguson, of Cairnbrock, out of his legacy of £50,000 for educational and other purposes, instituted in 1860 six Scholarships, each of the value of £80 per annum, to be held for two years, and to be called "The Ferguson Scholarships."

The examination of candidates for three of these Scholarships will be held in Glasgow, on Tuesday, 26th September next, and two follow-

<sup>1</sup> Vacant through lapse of time.



ing days. One of the Scholarships will be awarded for the greatest proficiency in Classics ; one for the greatest proficiency in Mathematics, including Natural Philosophy ; and one for the greatest proficiency in Mental Philosophy, including Logic, Psychology, Metaphysics, Moral Philosophy, and History of Philosophy.

Subjects for examination—

CLASSICAL SCHOLARSHIP.—Latin Prose Composition ; Latin Translation ; Greek Prose Composition ; Greek Translation. General—(a) Critical ; (b) Greek and Latin History ; (c) Greek and Latin Literature. Verse Composition, either in Greek or Latin ; or an original Latin Essay on some subject connected with Ancient History, Literature, or Life.

MATHEMATICAL SCHOLARSHIP.—*Mathematics*.—Euclid's Elements. Modern Geometry. Algebra, including Determinants, Finite Differences, and Theory of Equations. Trigonometry, Plane and Spherical. Analytical Geometry, in two and three dimensions. Differential and Integral Calculus, and Differential Equations.

*Natural Philosophy*.—Abstract Dynamics (commonly called Mechanics), including Kinematics and Statics and Kinetics of Solids and Fluids. Acoustics, Heat, Light, Magnetism and Electricity, treated both mathematically and experimentally.

Candidates will be allowed a choice of questions, and may obtain full marks by showing good general knowledge and an intimate acquaintance with any branches they may have specially studied.

PHILOSOPHICAL SCHOLARSHIP.—*Logic*.—Province and History of Logic. Notions, Judgments, and Inferences. Recent developments of Formal Logic. Fallacies. Theory and Methods of Scientific and of Historical Proof.

*Psychology and Metaphysics*.—The Phenomena and Laws of Mental Life and of its Development. Theory of Knowledge. Theory of Reality.

*Moral Philosophy*.—Psychology and Metaphysics of Ethics. Relations of Ethics to Law, Politics, and Economics. Applied Ethics.

*History of Philosophy*.—History and Critical Analysis of Ancient and Modern Systems of Philosophy.

The competition will be open to all persons who have passed the Examinations required for the Degree of Master of Arts in one of the Universities of Scotland (whether taking the Degree at the same time or not), provided that, at the time of the competition, not more than six years have elapsed since the time of their first entering a class qualifying for the M.A. Degree, and who have not already gained one of these Scholarships.

The Examinations will be conducted in writing, and the Scholarships awarded on the report of the Examiners as to the merit of the Candidates, but the minimum of 60 per cent. of the possible marks must be reached in order to entitle to a Scholarship.

The Scholarships, of £80 each per annum, are tenable for two years, subject to fulfilment of the following rule of the trustees:—

“Persons gaining the Scholarships will be expected, during the tenure thereof, to prosecute studies in furtherance of the higher learning; and those who have not graduated shall be required to do so before the last payment is made.”

Certificates will be granted to such of the unsuccessful competitors as, in the opinion of the Examiners, shall have taken a distinguished position in the Examinations.

Candidates are requested to give in their names, personally or by letter, at the office of THE FERGUSON BEQUEST FUND, 94 Bath Street, Glasgow, before 1st September, 1916, and due intimation will be sent to those enrolled as to the place and hours of Examination.

The following Students of the University of Glasgow have obtained Ferguson Scholarships:—

1868-1906 (See *University Calendar* 1907-8); 1907, Thomas M. MacRobert, M.A., Mathematical; 1908, Hugh A. Reyburn, M.A., and Leonard J. Russell, M.A., equal, Philosophical; 1910, Caleb A. Stewart, M.A., Mathematical; 1911, Hector J. W. Hetherington, M.A., Philosophical; 1912, Ernest Evans, M.A., Classical; 1912, Wm. M. Smart, M.A., and Thomas H. Black, M.A., Mathematical; 1913, Matthew W. Robieson, M.A., Philosophical.

*Present Holders of the Scholarships.*—Patrick M'Glynn, M.A., of Glasgow University, Classical, 1914; Norman M. S. Langlands, M.A., of St. Andrews University, Mathematical, 1914; Alex. K. White, M.A., of Glasgow University, Philosophical, 1914; Bertie M. Staig, M.A., of St. Andrews University, Classical, 1915; Allan J. Low, M.A., of Aberdeen University, Mathematical, 1915; John Macleod, M.A., of Glasgow University, Philosophical, 1915.

**FOULIS MEMORIAL SCHOLARSHIP.**—This Scholarship was founded in 1882 in memory of the late David Foulis, M.D., Glasgow, who had distinguished himself in Pathology and Surgery, and died at the age of 35 years. It is to be awarded as often as the accumulated income from the invested funds amounts to £50. It is tenable by a graduate or licentiate whose professional education has, to the extent of not less than two years, been received at the University or one of the extra-mural schools of Glasgow; and who shall, in the opinion of the trustees, have manifested a capacity for original work in the department of Pathology. The purpose of the Scholarship is to assist in the prosecution of such work in one of the Medical Schools in or forth of Scotland, approved of by the trustees; and the trustees have power to determine whether it should be awarded by competition or otherwise.

The trustees are the Regius Professor of Practice of Medicine in the University, the President and Visitor of the Royal Faculty of

Physicians and Surgeons of Glasgow, and the Pathologists of the Western and Royal Infirmaries. Further particulars may be obtained from Messrs. J. M. Taylor, Nelson, Walker & Co., 180 St. Vincent Street, Glasgow.

**THE GROCERS' COMPANY'S SCHOLARSHIPS.**—The Grocers' Company of London, with the object of encouraging Original Research in Sanitary Science, offer annually to British subjects, under thirty-five years of age, two Scholarships, each of £300 a year, with an allowance to meet the cost of apparatus and other expenses in connection with the work, tenable for one year from the first day of June, and renewable for a further period of one year or of two years. Candidates are required to state the nature of the research proposed, and no subject which does not come, broadly speaking, under the category of an inquiry into the Causation of Prevalent Disease or as to Means of Prevention of Premature Death will be considered eligible. When a vacancy occurs applications should be sent in before the first day of April to the Clerk of the Grocers' Company, Grocers' Hall, London, E.C., from whom a form of application and further information may be obtained.

**WILLIAM HOULDSWORTH RESEARCH STUDENTSHIP.**—In March, 1898, the late William Houldsworth, merchant in Glasgow, in recognition of the distinguished services of his friend, Lord Kelvin, to the cause of scientific research, made over to the University the sum of £5600 invested in Great Eastern Railway Four per cent. Debenture Stock, to provide a Research Studentship in connection with the Faculty of Science. Candidates must be students of at least two years' standing in the University of Glasgow. The studentship is tenable for two years, and the holder must prosecute his work with diligence and regularity so as to receive from the Professor of Natural Philosophy a certificate of creditable success. A proportion, viz., four-fifths, of the annual income is payable without deduction to the Research Student for personal expenses, and the remaining fifth part, after meeting the expenses of administration, is applied in payment of laboratory expenses and materials in connection with the Research Student's work, and in payment of his matriculation fees and of the fees for such Science Classes, if any, at the University as he may attend with the approval of the Senate. The said one-fifth part of the income must be expended at the sight and to the satisfaction of the Professor of Natural Philosophy or upon orders granted by him, and the Research Student is required to furnish the Professor with a statement showing the sums so expended in each session, and also during his tenure of the Studentship. Any surplus remaining over shall be added to the principal of the fund. In the event of the Studentship falling vacant otherwise than by lapse of time, the Senate may immediately make another appointment for a period not exceeding two years, and in

the event of the Senate considering it not advisable at any time to make an appointment on the occurrence either of a casual vacancy or of a vacancy in regular course, the same may be deferred, and the income thus left unused shall be added to the principal of the fund.

When a vacancy occurs, the applications of candidates must set forth the particulars required by Ordinance No. 61, Section III. See page 206.

*Research Student—(Vacant).*

LLOYD'S REGISTER SCHOLARSHIPS.—In 1889 the General Committee of Lloyd's Register of British and Foreign Shipping intimated their intention of establishing a Scholarship of the yearly value of £50, tenable for three years by students of Naval Architecture in this University. In 1893 two additional Scholarships, each of the same value and tenure of the first, were announced. They are open to competition only to candidates who are British subjects, whose age does not exceed 23 years, and who produce evidence that they have served three years' apprenticeship in a mercantile shipyard. Each candidate must produce satisfactory evidence that £50 a year would enable him to pursue his studies, and that he would be unable to do so unless this aid were afforded. The subjects of examination are the following:—Euclid, Books I. II. III. IV. VI. and XI.; Algebra, including Quadratic Equations, the three Progressions, and Binomial Theorem; Plane Trigonometry, with use of Logarithms; Elements of Statics, Dynamics, and Hydrostatics; Practical Shipbuilding; Mechanical Problems. A preference will be given to a candidate who possesses a thorough grammatical knowledge of English and of either French or German, although he may be somewhat deficient in the other subjects prescribed. In ordinary course one Scholarship will be open to competition in June of each year. Names of candidates to be sent to the Registrar early in May.

Notice is hereby given that in 1913 and thereafter the competition will take place in June, and that the examination will consist of the papers in Mathematics and Dynamics in the Bursary Examination together with an examination in Practical Shipbuilding and Mechanical Problems. In English, French, German, candidates will be at liberty to take the papers set in these subjects at the same examination.

*Scholars*—<sup>1</sup> George Moffat, 1913; James R. Clark, 1914.

PATRICK A. LOWSON MEMORIAL SCHOLARSHIP—1873.—Capital Funds, £2,100. The Scholarship is tenable for two years, and is worth, subject to certain conditions, not less than £60 per annum,

<sup>1</sup> Vacant through lapse of time.

and is at present £70 per annum. Candidates must have attended three years, not necessarily consecutive, at a school or schools in Dundee or Broughty Ferry, and may have attended, for not more than one session, any University or College in the United Kingdom. Trustees, the Parish Minister of Dundee, the Lord Provost of Dundee, the President of the Chamber of Commerce (*ex officio*), and William Lowson, J. G. F. Lowson, J. C. Buist, Robert B. Don, George K. Smith, Charles G. Gourlay, and Archibald W. Sturrock. Factor, Robert Morton, Savings Bank, 2 Euclid Street, Dundee.

*Scholar*—Allan J. Cleghorn (at Edinburgh University), 1914.

**LUKE FELLOWSHIP.**—In 1863, the late William Luke, Esq., of Edinburgh, bequeathed to the University of Glasgow the sum of £3,000 sterling, “to perpetuate the memory of his nephew George Rankin Luke” (formerly a highly distinguished student of this University, and afterwards student of Christ Church, Oxford), “in such a manner as his esteemed friend, Professor Nichol, may consider most beneficial.” Professor Nichol exercised the discretionary power thus conferred on him by directing that the sum bequeathed should be applied to the founding of a Luke Fellowship. The following are the regulations:—

1. There shall be a single Luke Fellowship (of about £95 per annum), tenable for three years, subject to the approval of the Senate at the end of the first and second years. The successful candidate shall undertake, during his tenure of the Fellowship, to give such assistance in the teaching work of the University or to follow such a course of advanced study or research in the University or elsewhere as the Senate may determine.

2. The Luke Fellowship shall be awarded on examination on English Literature, and on prescribed periods in History.

3. The Luke Fellowship shall be open to competition in October, 1868, and thereafter triennially.

4. Competitors for the Luke Fellowship must be Masters of Arts of this University, of not more than three years' standing; provided always that students graduating at the supplementary graduation in November of any year shall, for all purposes, be held to have graduated at the ordinary graduation in the April immediately preceding.

5. The Luke Fellowship shall not be held along with the Snell Scholarship, the Clark Scholarship, the Eglinton Fellowship, or the Euing Fellowship.

6. Students who have competed at one Luke Fellowship Examination shall not be admitted to another, nor shall the holder of the Eglinton Fellowship; but in the event of a candidate's being ap-

pointed to a vacancy to be filled for less than three years, and being still eligible, under the usual regulations as above, to compete for the Luke Fellowship on the occasion of the next regular vacancy, he shall be qualified to compete just as if he had not previously held the Fellowship, but in no case shall any student be permitted to hold the Fellowship for more than three years in all.

Ordinance No. 100 of the Universities Commission (1889) prescribes that the provisions of Ordinance No. 57 shall apply to the Luke Fellowship, but provides that it shall not be a condition of tenure of the Fellowship that the holder shall give assistance in teaching the class of English Literature.

The next competition for the Luke Fellowship will take place in October, 1916, the subjects being those for Honours in English (Language, Literature, and British History).

*Fellow—(Vacant).*

**M'CUNN MEDICAL RESEARCH SCHOLARSHIPS.**—These Scholarships were instituted in 1904 by the Trustees of Mr. William M'Cunn, of Landour, Largs, who died on 29th July, 1896. They are four in number, each of the annual value of £100, and tenable for one year, subject to reappointment for another year in the discretion of the Trustees. They are open to Graduates in Medicine of a Scottish University, provided that not more than three and a half years shall have elapsed since the candidate has taken his or her degree. The subjects are eight in number, divided into two groups, viz.: Group A.—Medicine, Surgery, Pathology, Bacteriology. Group B.—Therapeutics, Public Health, Physiology, Physiological Chemistry. In 1905 scholarships were to be awarded for the encouragement of original research in one or more of the four subjects in Group B; and in 1906 four or less if reappointments are made as above mentioned were to be awarded in like manner in Group A. A candidate must be nominated by a Professor or Lecturer in a Scottish University, or by a Teacher in Scotland recognised for the purpose of Graduation in Medicine by a Scottish University. Nominations must be lodged with the Secretaries of the Trust on or before the first day of September, and candidates shall undergo a written examination to be held in Glasgow in the month of October. The scholars shall be appointed by the Trustees, and shall during the year of tenure prosecute research in one or more of the subjects for that year in such institutions, either at home or abroad, as may be approved by the Trustees. For further information and for nomination forms apply by letter to Messrs. Mitchells, Johnston and Co., the Secretaries of the Trustees, 160 West George Street, Glasgow.

**MACKAY SMITH SCHOLARSHIPS.**—One in Natural Philosophy, the other in Chemistry, each of the annual value of £48, and tenable for two years in the Universities of Edinburgh and Glasgow

alternately. During sessions 1882-83 and 1883-84 they were held in the University of Edinburgh, and during sessions 1884-85 and 1885-86 in the University of Glasgow. Candidates must have already attended or must be attending the class of Natural Philosophy or Chemistry respectively. The Scholarship in Chemistry will be awarded on an examination held at the same time and of the same scope as the Final Science Examination in that subject for the Degree of B.Sc. in Pure Science, and the Scholarship in Natural Philosophy on an examination held at the same time and of the same scope as the examination in that subject for the degree of M.A. with Honours.

**MACKINNON SCHOLARSHIP.**—By the will of the late Sir William Alexander Mackinnon, K.C.B., LL.D., Surgeon-General of Her Majesty's Army and Director-General of the Army Medical Staff, a sum of £2000, less legacy duty, was bequeathed to this University for the foundation of a Scholarship. The Scholarship of the present yearly value of £60 is to be awarded to the person who shall in each year show the greatest proficiency in a competitive examination in (1) Geology, (2) Natural History (with Comparative Anatomy), and (3) Modern Foreign Languages, the examination in each subject to be held every third year. The subjects are to be taken in rotation, commencing in such order as the University authorities shall determine. In the event of the Scholarship not being awarded in any year, the amount of the Scholarship with any accumulations shall be added to the amount to form the Scholarship in the same subject on the recurrence of the examination therein.

The following are the regulations :

1. The rotation of subjects shall be as follows :—Modern Foreign Languages at the Autumn Degree Examination, 1903 ; Natural History (with Comparative Anatomy) in Autumn, 1904 ; and Geology in Autumn, 1905, and so on thereafter.

2. The examination in Modern Foreign Languages shall be the same and shall be held at the same time as the examination for Degrees in Arts with Honours in Modern Languages.

3. The examinations in Natural History (with Comparative Anatomy) and in Geology shall be the same and held at the same time as the Final Science Examination in these subjects for the Degree of B.Sc., provided that the examination in each subject shall be of the full scope and standard of a Principal Subject.

4. The holder of the Scholarship in one year shall be eligible for reappointment the next year, provided he is found qualified on examination in the subject for that year ; provided also that no candidate shall hold the Scholarship more than once in any subject.

5. The order of merit shall be fixed by the examiners at each examination, but no appointment in the Science subjects shall be made unless the candidate highest on the list shall have obtained at least 65 per cent. of the attainable marks.

6. Should the Mackinnon Scholarship in Geology fall vacant at the same time as the Baxter Demonstratorship, the two appointments may be held concurrently.

Subject to these regulations, an appointment falls to be made after the examinations in October, 1916, to the Scholarship in Natural History.

**METCALFE FELLOWSHIP.**—Founded by the late Miss Sarah Metcalfe, Glasgow. (See under Metcalfe Bursaries, p. 447.)

The following are the regulations of the Metcalfe Fellowship, which is confined to graduates of Glasgow University :—

1. There shall be a Fellowship on the Metcalfe Foundation of the annual value of £120, tenable for three years, to be competed for in October, 1872, and thereafter triennially (1917).

2. Candidates must be Masters of Arts with Honours in the Group of Mathematics and Natural Philosophy, of not more than three years' standing, provided always that students graduating at the supplementary graduation in November of any year shall for all purposes be held to have graduated at the ordinary graduation in the April immediately preceding.

3. The examination shall be the examination for the Degree of Master of Arts with Honours in the Group of Mathematics and Natural Philosophy.

4. The Fellowship shall be held subject to the condition of pursuing in the University of Glasgow a course of study in such of the following subjects—viz., Higher Mathematics, Astronomy, Civil Engineering, and Chemistry—as the Senate shall in each case prescribe.

5. The Metcalfe Fellowship shall not be held along with the Eglinton Fellowship, the Snell Scholarship, or the Breadalbane Scholarship; and the holder of the Eglinton Fellowship shall not be allowed to compete for the Metcalfe Fellowship; but in the event of a candidate being appointed to a vacancy to be filled for less than three years, and being still eligible, under the usual regulations as above, to compete for the said Fellowship on the occasion of the next regular vacancy, he shall be qualified to compete just as if he had not previously held the Fellowship, but in no case shall any student be permitted to hold the Fellowship for more than three years in all.

*Fellow*—James H. Filshie, 1914.

**MINING SCHOLARSHIPS.**—The Institution of Mining and Metallurgy, Salisbury House, London, offers annually two Scholarships



of £50 each to Graduates under 25 years of age to assist them in taking a practical course in Mines or Works at home or abroad. For particulars apply to the Clerk of Senate or to Professor Latham.

**NEWLANDS SCHOLARSHIPS.**—In 1908 the Right Honourable James Henry Cecil Hozier, second Baron Newlands of Newlands and Barrowfield, and of Mauldslee Castle, Carlisle, Honorary Fellow of Balliol College, Oxford, by Deed of Gift made over to the University of Glasgow £10,000 of Glasgow Corporation Three and a half per cent. Irredeemable Stock for the endowment of four Newlands Scholarships. Lord Newlands founded these Scholarships for the purpose of improving the connection between Glasgow University and Balliol College, and also as some recognition of the great services rendered to Education by his life-long friend, George Gilbert Ramsay, LL.D., Professor of Humanity in this University from 1863 to 1906. The Deed provides *inter alia* that so long as only one Snell Exhibitioner is appointed in each year each Exhibitioner shall also be a Newlands Scholar, and shall receive annually during four years, in addition to £100 from the Snell Fund, a sum of £80 or thereby from the Newlands Fund. The founder also made arrangements whereby the Snell Exhibitioners who were resident at Balliol at the date of his gift were constituted the first Newlands Scholars, and annual provision was made for them on the same scale during the remaining period of their respective tenures. The Newlands Scholars are bound to fulfil the conditions attached to the Snell Exhibitions, and in particular during the tenure of the Scholarships to give such residence in connection with Balliol College as is required by the Authorities of that College.

*Scholars*—John Macmurray, 1913; Alexander B. Muir, 1914; Vincent A. Lyons, 1915; John H. Young, 1916.

**REID STEWART FELLOWSHIP.**—Mr. James Reid Stewart, Ironmaster, Glasgow, who died on 8th August, 1896, directed his Trustees to pay a legacy of £2000, under deduction of legacy duty, to the Senate, the free income of which (about £60) is to be applied in and towards a Fellowship to be called the Reid Stewart Fellowship.

The following are the regulations:—

1. Candidates must be Masters of Arts who have taken the Degree of M.A. with Honours in either the Group of History or the Group of Economic Science, or be students presenting themselves for the final examination for the M.A. Degree with Honours in either of these Groups. The Fellowship shall alternate between History and Economic Science, beginning with History and giving three years to each.

But no student shall be admitted to the examination after the expiry of more than three winter sessions from the time of his com-

pleting the course necessary for the Degree of M.A. with Honours in either of these Groups.

2. The papers set in the examination shall be the same as the papers set for Honours in these Groups at the October examinations for Degrees in Arts, and the Examiners shall be the Examiners for the Degree of M.A. with Honours in these Groups. The Fellowship will be awarded for excellence in one Group, but not in both.

3. The Fellowship shall be tenable for three years, subject to the condition that the holder shall either (a) give his time and attention to the prosecution of his studies with a view to one of the learned professions or to such professional or business avocation as may be approved by the Senate, or (b) give such assistance in the teaching work of the University or follow such a course of advanced study or research in the University or elsewhere as the Senate may determine.

4. In the event of a vacancy occurring otherwise than by lapse of time, it shall be in the power of the Senate to appoint, after competition under the same conditions as above, either for the unexpired period of the vacated Fellowship or for the full period of three years. If the Fellowship is offered for a period of less than three years, the conditions of competition and tenure shall be the same as those stated above, provided that no student shall be excluded from the competition who was eligible when the Fellowship was last offered for three years.

5. In the event of the Examiners reporting in any year that no candidate has done sufficiently well to deserve the Fellowship, no appointment shall be made on that occasion, but the Fellowship shall be offered for competition in the following year under the same conditions as in the case of a vacancy occurring otherwise than by lapse of time.

6. It shall not be competent for the holder of the Reid Stewart Fellowship to hold any other Bursary, Scholarship, or Fellowship in this University, without the special leave of the Senate.

The next competition will take place in October, 1917, and the examination will be the examination for Honours in the Group of History.

*Fellow*—Robert M'Millan (Economic Science), 1914.

ROBERT W. ROBERTSON SCHOLARSHIP (*Law*).—Founded by the late Robert William Robertson of Glenshellish, who bequeathed to the University a sum of £1000 sterling for that purpose. The following are the regulations:

1. The Scholarship shall be awarded by the Senate annually in the month of April (except as hereinafter provided) to the Graduate in Law who, having taken the Degree of LL.B. at the autumn or spring Graduation immediately preceding the date of the award, has

obtained the highest aggregate of marks in the Degree Examinations.

2. No graduate shall be disqualified by his having obtained another Scholarship or Bursary or Prize in the Faculty of Law.

3. In cases of equality in the aggregate of marks, graduates bearing the name of Robertson shall have a preference, and failing this preference the Faculty of Law shall take into consideration the pecuniary resources of these candidates.

4. The payment of the Scholarship shall be made in two moieties, the first to be made at the time of award of the Scholarship, and before payment of the second moiety the Scholar shall be required to satisfy the Faculty of Law that he has been pursuing legal study with a view to professional practice or is engaged in independent research bearing upon some Department of Law, by presenting at the end of six months after the appointment as Scholar a detailed report of the Studies he has been pursuing during the first half of his period of tenure of the Scholarship.

5. If in any year the Faculty of Law report to the Senate that no graduate has attained a sufficiently high standard of merit, the Scholarship shall not be awarded, and the amount of the Scholarship for that year shall be added to the Capital fund.

*Scholar*—David G. Ogilvy, LL.B., 1916.

ROSEBERY STUDENTSHIP IN SCOTTISH HISTORY.—In July, 1914, the Chancellor of the University, the Earl of Rosebery, gave to the University Court a sum of £2000 for the foundation of a Studentship to be named "The Rosebery Studentship in Scottish History." This gift was accepted with much gratification, and the following regulations were thereupon drawn up:

1. That a Rosebery Studentship in Scottish History be established in the University.

2. That the Studentship be awarded in alternate years, and be tenable for one year.

3. That the stipend of the student be the net annual income of the Capital Fund, accumulated during two years.

4. That the Studentship be awarded by the Senate on the recommendation of the Adjudicators, namely, the Principal, the Professor of History, and the Professor of Scottish History and Literature.

5. That any candidate who, during the two years preceding the award, has graduated in Arts with First-Class Honours in History (Scottish History being included in his Honours Group) be eligible for the Studentship.

6. That the student be required during his year of tenure to devote himself to original investigation in relation to Scottish History, under the general direction of the Professor of Scottish History and Literature.

7. That the stipend of the student be payable in two half-yearly instalments, the payment of the second instalment being conditional on his producing a certificate of satisfactory progress from the Professor of Scottish History and Literature.

8. That if no recommendation for an award of the Studentship be made, it be in the power of the Adjudicators to recommend to the Senate that for that term grants from the available income be made to deserving students or graduates who have shown proficiency in Scottish History, for the purpose of enabling them to pursue original investigation in the subject.

9. That any part of the income not expended in payment of stipend or grants be added to the Capital Fund.

10. That the Senate have power, with the approval of the University Court, and with the assent of the Chancellor for the time being, to modify the foregoing regulations, provided that the income of the Capital Fund shall always be applied to the promotion of higher study and research in relation to Scottish History.

**SANDFORD SCHOLARSHIP.**—Founded in 1862 (by the investment of a sum of £520, raised by subscription), in memory of Sir Daniel K. Sandford, the eminent Professor of Greek in this University, who died in 1838. It is tenable for two years, and is awarded to the student who, on examination, gives proof of the greatest proficiency in the Greek language. Value about £20 per annum.

The examination of candidates for this Scholarship takes place every alternate year in the month of April (1917), and is open to all matriculated students (not Masters of Arts) who have attended the Public Greek Classes for not less than two sessions.

The subjects of examination are selected from the following authors:—Homer, 12 books; Herodotus, 4 books; Sophocles, 3 plays; Thucydides, 4 books; Æschylus, 3 plays; Demosthenes, one or more orations; Aristophanes, 3 plays; Xenophon's *Memorabilia*; Pindar; Plato, one or more dialogues.

Candidates are examined on not more than four of the above-mentioned authors (of which Homer is always one)—two in prose and two in verse; and the subjects for each examination are given out by the examiners at the end of the session previous to that in which the examination takes place. Candidates are also examined on Translations from Greek into English, with Criticisms, and Translations, in prose and verse, from English into Greek.

The subjects for April, 1917, will be:—Homer, *Iliad*, xiii.—xxiv.; Thucydides i.—iv.; Sophocles, *Ajax*, *Electra*, *Trachiniae*; Aristophanes, *Acharnians*, *Knights*, *Clouds*; Unseen Translation; Prose Composition, and (if any candidate desire it) Iambic Verse.

*Scholar*—<sup>1</sup> Robert Fletcher, 1914.

<sup>1</sup> Vacant through lapse of time.

(SIR WALTER) SCOTT SCHOLARSHIP.—(See under head "Scott Bursaries," p. 460).—This Scholarship, in value £80 per annum, is open for competition to Masters of Arts in the University of Glasgow of not more than three years' standing, having graduated with Honours in Classics or in Philosophy, or to students who, at the time of competition, are presenting themselves for the final examination in the said University for the M.A. Degree with Honours in Classics or in Philosophy. The Scholarship is tenable for two years, and the holder is required to follow such a course of study in the University of Glasgow, or give such assistance in the teaching work of the University as the Senatus Academicus may determine. The Scott Scholarship is not to be held along with any other Scholarship, Fellowship, or Bursary of the University of Glasgow. The regulations for the successive competitions previous to the year 1912 are given in the *Calendars* of preceding sessions. For 1912 and future years the following regulations shall have effect:—The examination shall be held by rotation in (a) Mental Philosophy, (b) English Literature, and (c) Classics, in the order stated, and the subjects of examination shall be those prescribed in the particular year for the examinations for the M.A. Degree with Honours.

The Scholarship will be open to competition in October, 1916, the subject of examination being Classics.

Secretary and Treasurer, R. H. Ballantine, C.A., 116 Hope Street, Glasgow.

*Scholar*—<sup>1</sup> Henry Crow, 1914.

SHAW PHILOSOPHICAL FELLOWSHIP.—This Fellowship was founded by subscription in 1867, in the University of Edinburgh, in memory of Sir J. Shaw, Bart., who was born at Mosshead, in the Parish of Riccarton, and County of Ayr, in 1764, was elected Lord Mayor of London in 1805, and M.P. for the same city in 1806, and after a long and distinguished career, died in London in 1843; and is open to the competition of the Graduates in Arts of any of the Scottish Universities. The Fellowship consists of the free proceeds of the sum of £4,100 mortified to the Senatus Academicus of the University of Edinburgh under the following conditions, namely:—

1. The said Fellowship shall bear the name of "THE SHAW PHILOSOPHICAL FELLOWSHIP," in memory of the said Sir James Shaw, Baronet.

2. The Patronage of the said Shaw Philosophical Fellowship shall belong to the said Senatus Academicus, and shall be exercised by them, subject to the conditions herein contained, for the encouragement of the study of Logic, Metaphysics, Psychology, Moral Philosophy, and the History of Philosophy.

<sup>1</sup> Vacant through lapse of time.

3. The Fellowship shall be awarded by competitive examination<sup>1</sup> in the subjects of Logic, Metaphysics, Psychology, Moral Philosophy, and the History of Philosophy.

4. The Fellowship shall, on each occasion of an appointment thereto, be open to the competition of Graduates in Arts of the Scottish Universities—that is to say, the University of Edinburgh, the University of Glasgow, the University of Aberdeen, and the University of St. Andrews, of not more than five years' standing at the time of the competition, and of all students of the said Scottish Universities who, although they have not graduated in Arts, shall yet have successfully passed the last of the examinations necessary for such graduation in Arts, within the period of five years before the time of the competition; and the said Senatus of the University of Edinburgh, with consent of the Senates of the other Scottish Universities aforesaid, or of a majority of them, and with the concurrence of the University Court of the University of Edinburgh, shall have power either to increase or to reduce the number of years of standing as graduates, or as students who have passed all the examinations necessary for graduation, as above fixed, for competitors for the Fellowship.

5. The Fellowship shall be tenable for five years only, but the said Senatus Academicus of the University of Edinburgh shall have power, with consent of the Senates of the other Scottish Universities aforesaid, or of a majority of them, and with the concurrence of the University Court of the said University of Edinburgh, to extend, with reference to all holders of the Fellowship, the term of tenure to any period of years not exceeding ten, if, in the course of time, it shall appear to them desirable to do so, from an increase in the number of foundations of a similar kind in the University of Edinburgh, or in the other Scottish Universities, or other sufficient reason.

6. The competitive examination for the said Fellowship shall, except in the case below provided for, be conducted by two Examiners, to be appointed in the manner following—to wit, one of the Examiners shall be appointed by the Senatus Academicus of the University of Edinburgh, either from among the members of the said Senatus or others, as they may think proper, and the other Examiner shall be appointed by the Senatus Academicus of one of the other Scottish Universities in rotation.

7. The said Examiners, so appointed, shall report their opinion of the result of the examination to the Senatus Academicus of the University of Edinburgh, who shall, as patrons of the said Fellowship, appoint thereto the candidate who appears by the report to be best qualified by proficiency in the subjects of Logic, Metaphysics, Psychology, Moral Philosophy, and the History of Philo-

<sup>1</sup> See *Edinburgh University Calendar*.

sophy, provided that, as required by the clause next following, such best qualified candidate shall, in the opinion of both the Examiners, have manifested a sufficiently high degree of proficiency to merit the Fellowship.

9. Each holder of the said Fellowship shall, during his tenure thereof, be entitled to receive the annual proceeds of Four Thousand One Hundred Pounds, and of any addition of the said sum which may hereafter be made thereto, as after-mentioned, after deducting all reasonable expenses, including the payment of remuneration to the Examiners appointed as aforesaid.

12. It shall not be competent for any person to hold the said Fellowship along with any other Fellowship, Scholarship, or Bursary, in any Scottish University, or appropriated to the students of any Scottish University or Universities.

17. It shall be in the power of the Senatus Academicus of the University of Edinburgh to require the holder of the Shaw Philosophical Fellowship during the fourth or fifth year of his tenure of it, to deliver in the University of Edinburgh a Course of Lectures, not exceeding four, on any of the subjects for the encouragement of the study of which the Fellowship has been founded; and notice shall be given to the holder of the Fellowship twelve months previously to the time fixed for the delivery of the said Lectures that he is required to deliver them; but the said Senatus, with consent of the University Court of the University of Edinburgh, shall have power to alter the number of Lectures, if it shall be found desirable to do so.

SNELL EXHIBITIONS.—In the year 1677, Mr. John Snell of Uffeton, in the County of Warwick, a native of Scotland, and formerly student in this University, devised to trustees a considerable estate near Leamington, in Warwickshire, for educating Scottish students at Oxford.

The Exhibitioners are now elected under a scheme settled in the Court of Chancery in 1872. By an agreement<sup>1</sup> made under the provisions of that scheme between the Master and Fellows of Balliol College, Oxford, and the Principal and Professors of Glasgow College, of date 30th July, 1907, the following regulations were sanctioned:

1. The value of the Snell Exhibitions shall be £80 a year.

2. They shall be held, as heretofore, for five years, but the whole sum of £400 will be paid to each Exhibitioner during the first four years of his tenure in equal annual sums, provided that a moiety of the last annual payment may be kept back, if the

<sup>1</sup> For details of previous agreements see *University Calendar* for session 1907-8 pp. 410, 411.

authorities of Balliol College think fit, until the Exhibitioner shall have taken his Degree.

To raise the annual payment to each Exhibitioner to £180 or thereby, Lord Newlands founded in Glasgow University the Newlands Scholarships—see p. 491.

Candidates must have been born in Scotland, or must be sons of fathers born in Scotland, and must "have resided<sup>1</sup> as Undergraduate Students for two years at least in Glasgow College, or for one year in that College and two at least in some other College in Scotland." "No candidate shall be admitted to examination who shall be a member of the University of Oxford of more than one year's standing from the day of his matriculation inclusive; and no candidate shall be admitted to examination more than once after he shall have completed his 23rd year; but a candidate otherwise qualified shall not be excluded from examination on the ground that he is a graduate of any Scotch University."

Candidates are expected to inscribe their names in a book kept by the Registrar for the purpose, not later than 1st November, 1916. The examination arrangements will be announced in due course.

Under an agreement made between the Senate of the University and the Master and Fellows of Balliol College in 1916, the examiners are nominated by the latter. Candidates may offer themselves in any of the following subjects :

CLASSICS, HISTORY, MATHEMATICS, PHYSICS AND CHEMISTRY, BIOLOGY.

The examination will be conducted in Glasgow, the papers being the same as those set for the Balliol College Open Scholarships and Exhibitions in the respective subjects, and at the same dates. Candidates are eligible either for the Snell Exhibition and Newlands Scholarship, or (if in other respects qualified) for any other Scholarship or Exhibition advertised by the College as open for competition at the same time. In the examination in CLASSICS, special papers may be substituted for the Latin and Greek Verse papers; in HISTORY special papers may also be set. Before each examination, notice will be given of the subjects of such special papers. Candidates who do not offer Classics will be required to show such a knowledge of Latin and Greek as to prove their ability to pass Responsions at Oxford.

*Exhibitioners*—John Macmurray, 1913; Alexander B. Muir, 1914; Vincent A. Lyons, 1915; John H. Young, 1916.

<sup>1</sup>By Resolution of date December 13th, 1866, the Senate determined that "Residence" shall, for the purpose of the Snell Trust, be constituted by regular attendance as a public student for the complete winter session on not less than two of the classes in the curriculum for the Degree of Arts.



STRANG STEEL RESEARCH SCHOLARSHIP.—Mr. William Strang Steel of Philiphaugh, who died on 2nd January, 1911, bequeathed to the University the sum of £4,000, to be held by the University Court in trust to found a Scholarship in connection with the University for the purpose of promoting research in any Department of Science which the Court should think desirable.

The following regulations drawn up by the Senate were approved by the University Court on 9th July, 1912 :—

1. The Scholarship shall be allocated in rotation among the three following groups of Science subjects :—

(a) Botany, Zoology, Geology.

(b) Physics, Chemistry, Astronomy.

(c) Anatomy, Physiology, Pharmacology and Pathology or Bacteriology ;

and the award shall be made to the most suitable candidate among those presenting themselves in the subjects forming each group.

2. The appointment shall be made by the Senate on the nomination of the Faculty of Science, and on the report regarding the merits and record of the candidates by the Professors in the group of subjects in which the award is to be made.

3. The Scholarship shall be tenable for one year, but the Senate shall have power to reappoint the Scholar for a second twelve months, if the report to be submitted annually by the Professor or Lecturer under whose supervision the work is being done shows that satisfactory progress is being made. In the event of the report being unsatisfactory, or if for any reason the Scholarship should fall vacant, the award shall pass to the group of subjects next in rotation.

4. The Research work of the Scholar shall be carried out in one of the laboratories of the University of Glasgow under the supervision of a Professor or Lecturer, provided that the Senate may in special circumstances allow him to work in a foreign laboratory, or to make an expedition for the purpose of investigation or collection of material.

5. The Scholar shall ordinarily be expected to devote his whole time to the purpose for which the Scholarship has been awarded.

6. The Senate shall have power to make from time to time such alterations, both in the period of allocation and in the conditions of tenure, as it may see fit.

*Scholar*—(Vacant).

THOMSON EXPERIMENTAL SCHOLARSHIPS.—Three Scholarships, in value about £20 each, for the promotion of Experimental Research, founded by Sir William Thomson (afterwards Lord Kelvin), LL.D., D.C.L., Professor of Natural Philosophy in the University, by letter

to the Principal of date September 6th, 1869, in which, after referring to "the liberal and friendly spirit which had been shown him by his colleagues in respect to his connection with telegraphic enterprise," and the "facilities for experimenting which the College had afforded him," he states that "he wished to mark his sense of these benefits by setting aside something of what he had received to assist in promoting the cultivation of experimental investigation in Glasgow University," and for this purpose offered for the acceptance of the Senate the sum of £1,000.

The scholars are appointed by the Senate on the recommendation of the Professor of Natural Philosophy from among students who have previously shown their zeal and ability in Experimental Investigations in the Physical Laboratory, and they are required to engage in the continual prosecution of Experimental Investigations in the Laboratory for not less than nine months of the year, to the satisfaction of the Professor of Natural Philosophy. These Scholarships may be held along with any other Bursary, Scholarship, or Fellowship.

*Scholar for 1915-16—James Scobie.*

**JAMES WATT SCHOLARSHIP.**—In 1808, James Watt, LL.D., presented the College with a perpetual annuity of £10, for the institution of a prize, to be awarded to the author of the best Essay on some subject in the following branches of study, to be taken in rotation:—  
1. Any branch of Mechanics or its dependent Arts. 2. Statics, and the Machines and Arts dependent. 3. Pneumatics, Statical or Chemical, Machines and Arts. 4. Hydraulics, Hydrostatics, their Machines and Arts. 5. Chemistry, its Arts and Apparatus. All actual students who had completed, or who, at the end of the session in which the Prize fell to be awarded, should have completed a regular course of study in Languages and Philosophy, might be competitors. By Ordinance No. 93 of the Universities Commission (1889), issued on 15th February, 1895, and approved by Her Majesty in Council on 13th August, 1895, it was provided that the Watt Prize should be discontinued, that the funds should be allowed to accumulate for four years from the date of the Ordinance, and that thereafter a James Watt Scholarship in Engineering should be established.

The Scholarship, in yearly value about £42, is awarded by the Senate, on a special report by the Faculty of Science, to a Bachelor of Science of distinction of not more than two years' standing. It is tenable for two years, and the James Watt Scholar is required to pursue during his tenure special higher studies in the Engineering Laboratory, under the direction and to the satisfaction of the Professor.

*Scholar—(Vacant).*

## 3.—PRIZES.

The names of the Prizemen for Session 1915-1916 will be found in the Degree and Prize List.

## INDEX.

FOUNDATION.	NATURE OF PRIZE.	AWARDED FOR
Arnott, - - - - -	£25 and £15,	Examinations.
Asher Asher Memorial,	Gold Medal,	Do.
Sheriff Balfour Prize, -	£7 (approx.),	Do.
Bellahouston, - - - - -	Gold Medals,	Thesis for M.D.
Bradley, - - - - -	Bronze Medal,	Examinations.
Brunton Memorial, -	£10,	Examinations.
Buchanan (3), - - - - -	Books,	Do.
Burnet, Lindsay, - - -	Silver Medal,	Research.
Cleland, - - - - -	Gold Medal,	Examinations.
Cleland & Rae Wilson,	Four Gold Medals,	Do.
Coulter, - - - - -	Two at £5 each,	Essays.
Cowan, - - - - -	Three Gold Medals,	Examinations.
Cunninghame, - - - - -	Gold Medal,	Do.
Denny, Archibald, - - -	£10,	Do.
Dickson Prize, - - - - -	Books,	Do.
Dobbie-Smith, - - - - -	Gold Medal (biennial),	Essay.
Dowanhill, - - - - -	£20 and £10,	Elocution.
Ewing, - - - - -	Gold Medal (biennial),	Essay.
Findlater, - - - - -	£38,	Examination.
Gartmore, - - - - -	Gold Medal (biennial),	Essay.
Geographical Society, -	Silver Medal,	Essay.
Gladstone Historical, -	£25 (biennial),	Examination.
Gladstone Memorial, -	£5 in Books,	Do.
Guthrie, William (2), -	£6,	Examinations.
Harvey, George, - - - -	£14,	Examination.
Henderson, - - - - -	£21,	Essay.
Herkless, - - - - -	£22,	Examination.
Jack, William, - - - - -	£35 (approx.),	Thesis for D.Sc.
Jamieson, - - - - -	£10,	Examination.
Jeffrey, - - - - -	Gold Medal,	Do.
Kelvin, - - - - -	Gold Medal and £35 (approx.),	Thesis for D.Sc.
Kirk Memorial, - - - - -	£14,	Examination.
Logan, Thos., Memorial,	Gold Medal and £12,	Do.
Luke Historical, - - - -	£10 (biennial),	Do.
Macfarlan and Cook, -	£21,	Do.
Mackenzie, - - - - -	£25,	Essay.
Macleod, - - - - -	Gold Medal,	Examination.
Miller, Dr., - - - - -	Books,	Essay.
Muirhead, - - - - -	Books,	Examination.
Muirhead, G. Roger, -	£2 5s.,	Do.
Nichol Memorial, - - -	Books,	Do.
Ramsay Memorial, - - -	Gold Medal,	Examinations.
Reid, John, - - - - -	£25,	Original Research.
Ross, Robert (2), - - -	Med., Books, or Money,	Examinations.
Scott-Macfarlan, - - -	Gold Medal,	Examination.
Straits Settlements, -	Gold Medal,	Thesis for M.D.
Struthers, - - - - -	Gold Medal and Money,	Research.
University, - - - - -	Silver Medal,	Essay.
Walker (4), - - - - -	Books, etc.,	Examinations.
Watson, - - - - -	£50,	Examination.

*Women Students desiring to compete for any prize not open to women exclusively, or for which their eligibility is not expressly indicated by the regulations, should consult the Registrar in the first instance*

ARNOTT PRIZES.—Founded in 1869, by Dr. Neil Arnott of London, who presented to the Senate the sum of £1,000 to found a Prize, or Prizes, for the encouragement of the study of Natural Philosophy among the Medical students of the University.

By resolution of the Senate of date April 10, 1873, the following regulations were adopted :—

1. That there shall be two separate examinations—one in General Physics, for students of the first and second years of their Medical studies; the other for students of the third and fourth years, in Physiological Physics, or the application of the doctrine of General Physics to Physiological Science.

2. The knowledge required for the second of these examinations being much more extensive, and of a much higher order than that required for the first, and being the kind of knowledge of which it is most important to encourage the cultivation, as not only useful in the practice of the Medical Art, but eminently fitted to advance the Physiological Sciences; that a sum of not less than Twenty-five pounds be offered annually, in one or several sums, as circumstances may require, to the student or students who excel in the second examination.

3. That the remaining portion of the revenue derived annually from Dr. Arnott's donation be offered in the same way to the student or students who excel in the first examination.

4. That the first examination be under the superintendence of the Faculty of Arts, with the Professors of Physiology and of Anatomy as Assessors.

5. That the second examination shall be under the superintendence of the Medical Faculty, with the Professors of Natural Philosophy and of Mathematics as Assessors.

6. That all candidates shall, at the commencement of each session, intimate their intention to the Registrar; and that, to prevent unqualified persons from coming forward, each candidate shall produce satisfactory evidence of his having attended a Course of Lectures on Natural Philosophy, or of having been a pupil in a Laboratory where Practical Physics or Practical Physiology is taught; or, failing of these qualifications, he shall deposit the sum of ten shillings, which shall be forfeited if his examination marks fall below the average standard.

7. That every candidate who passes creditably the first examination shall be thereby entitled to come forward for the second, without being obliged to deposit the sum of ten shillings.

8. That no prize shall be awarded without sufficient merit being shown, and that in the event of one or more of the prizes on any occasion not being awarded, the amount shall be added to the principal sum.

The examination will be in writing, and will be held on Friday, the 6th October, 1916, at 2 P.M. Intending candidates to give in their names to the Registrar on or before 29th August.

**ASHER ASHER MEMORIAL GOLD MEDAL.**—This Medal was instituted in 1910 in memory of Asher Asher, a native of Glasgow, who graduated as M.D. of this University in 1856, and spent most of his life in London, first as a Medical Practitioner, and latterly as Secretary of the United Synagogue, an institution which he assisted to found and develop. He died on 7th January, 1889. The die for the Medal, along with a sum of £250 for its endowment, was presented by Dr. Asher's son. The Medal is awarded annually in connection with the class on Diseases of the Throat and Nose, and the examination therefor (largely clinical in character) is held towards the end of January, members of the class during the immediately preceding summer session being also eligible. Any surplus of interest on the £250 may be used for providing a second prize in the class, should the Lecturer so determine.

**THE SHERIFF BALFOUR PRIZE.**—Founded in 1911 as a Testimonial to David Davidson Balfour, Esq., Sheriff Substitute of Lanarkshire and for nearly fifty years a member of the Faculty of Procurators in Glasgow, on the occasion of his retirement from the office of Sheriff Substitute after thirty-four years' service. The Testimonial Committee, at Mr. Balfour's request, resolved that about £278, part of the Fund subscribed, should be handed to the Faculty to be invested for the purpose of providing annually, in the class of Mercantile Law in the University of Glasgow, a Prize to be called "The Sheriff Balfour Prize." The Faculty accepted the Trust.

**BELLAHOUSTON GOLD MEDALS.**—Since 1897 the Bellahouston Trustees, in addition to numerous other benefits conferred on the Library and Scientific Departments, have put it in the power of the University to award three Gold Medals yearly to those who, having gained Honours, are pronounced by the Senate on the report of the Faculty of Medicine worthy of this highest distinction for the excellence of their Theses.

**BRADLEY MEDAL.**—A Bronze Medal, instituted in 1912 by the liberality of a donor who has withheld his name, and who was at one time a student in the class of English Literature, in remembrance of Professor A. C. Bradley, the occupant of the Chair of English Literature in the University from 1889 till 1900. The Medal is to be awarded annually on such conditions as may be imposed by the Professor of English Literature, who has decided that it be given in connection with the Honours Class.

**BRUNTON MEMORIAL PRIZE.**—Founded in 1879, in memory of the late Duncan M. Brunton, M.A., M.B., Paisley, a distinguished

graduate of this University, who died on 16th November, 1876, of fever, contracted in the diligent discharge of his professional duties in the Royal Infirmary of Paisley. The Committee of Subscribers paid over to the Senate the sum of £300, the interest of which is to be given annually to the most distinguished graduate in Medicine of the year.

**BUCHANAN PRIZES.**—A Bursary was founded in 1866, in recognition of the eminent services of Robert Buchanan, LL.D., as Professor of Logic and Rhetoric in the University during the long period of forty years. The fund consists of a sum of £314 raised by subscription. The Buchanan Bursaries having been founded under the Will of Professor Buchanan, the proceeds of this fund are now, with the sanction of the subscribers, applied to the purchase of books, which are annually awarded to the most distinguished students in the classes of Logic, Moral Philosophy, and English Literature.

**LINDSAY BURNET SILVER MEDAL.**—In 1901 the relatives of Mr. Lindsay Burnet, Engineer in Glasgow, who died on 14th March, 1895, founded this Medal to his memory, and also as a memorial of the respect which he entertained for Archibald Barr, D.Sc., Professor of Civil Engineering and Mechanics, and for his work in the University. The following are the regulations:—

The Medal shall be awarded to a student in regular attendance at the University for a thesis descriptive of a research upon a subject connected with The Properties or the Utilisation of Fuel, The Generation or Properties of Steam, The Principles of Thermodynamics, or The Operation of Heat Engines.

The research shall be conducted by the candidate in the Engineering Laboratories of the University, but in exceptional cases investigations requiring the use of machines or apparatus not provided in the Laboratory may be conducted in part elsewhere under such conditions as may in each case be sanctioned by the Professor of Engineering.

The Professor of Engineering may sanction the employment of such assistance, if any, as he may in each case deem necessary for the efficient carrying out of the research, and shall regulate the use of apparatus belonging to the University as regards the time when it shall be at the disposal of the candidate and the manner in which it may be employed.

The Senate shall from time to time issue regulations regarding the standing of students who shall be eligible to compete for the Medal, the form which the theses shall take, the date on or before which the theses must be submitted, and other details.

All matriculated Engineering Students and all University or other Research Students may compete; any Thesis submitted

must be a description of an experimental research conducted in accordance with the foregoing regulations, and must be sent to the Clerk of Senate not later than 16th October.

The Medal shall be awarded by the Senate after receiving a report from the Professor of Engineering and any assessor or assessors whom the Senate may have appointed to act with him.

The Senate may withhold the Medal in any year in which, in their opinion, no thesis of sufficient merit has been submitted.

The Professor of Engineering shall have the power to prescribe a particular subject or to limit the range of subjects upon which theses may be presented in any year; and, farther, with a view to avoiding any undue interference with other researches, or with the general routine work of the Laboratory, he shall have power to prescribe the particular subject or range of subjects with which any individual candidate may deal.

The theses shall become the property of the University, and may be preserved in the Engineering Departmental Library or elsewhere as the Senate may direct, and the Senate may grant to students or others access to the theses under such conditions as they may from time to time prescribe. At all reasonable times the candidate shall have access to his own thesis for reference.

All results obtained in researches conducted in competition shall be subject, as regards rights of publication, to the general conditions applicable to work done in the University by research students and to any special regulations that may be made relating to work conducted in the Engineering Laboratory.

Should any new Chair or Chairs in Engineering Science be instituted in the University, the Professor whose laboratory courses are, in the opinion of the Senate, most closely identified with the general application of thermodynamics to engineering practice shall be deemed to be the Professor of Engineering for the purposes of this foundation.

CARNEGIE ESSAY PRIZE.—See p. 223.

CLELAND AND RAE WILSON GOLD MEDALS.—Dr. James Cleland, Superintendent of Public Works in Glasgow, who died 14th October, 1840, founded a Gold Medal of the value of Ten Guineas, to be bestowed in alternate years on a student of Divinity, and a student of Natural Philosophy, as a prize for the best Essay on any subject to be prescribed by the Principal and Professors of the University.

Dr. William Rae Wilson of Kelvinbank, who died 2nd June, 1849, founded a Gold Medal to be bestowed upon the Divinity student who should produce the best Essay on the Life of Christ.

These foundations are now regulated by Ordinance No. 97 of the Universities Commission (1889). The Cleland Gold Medal, not exceeding ten guineas in value, is awarded to the most distinguished

student in the class of Natural Philosophy in each year. The remainder of the free income of the Cleland Foundation is added to the total free income of the Rae Wilson Foundation, to provide four Gold Medals of equal value. These medals are awarded in each year as follows:—One to the most distinguished student in each of the classes of (1) Divinity, (2) Ecclesiastical History, (3) Hebrew and Semitic Languages, and (4) Divinity and Biblical Criticism. In the event of there being no student of sufficient distinction in any of these classes, the proportion of the income for that year may be applied towards the promotion of theological study in such manner as the Senate may decide.

**COULTER PRIZES.**—In 1787 Mr. James Coulter, merchant in Glasgow, bequeathed £200 to the University, “the annual proceeds to be applied in premiums, one or more, either pecuniary or honorary, for the encouragement of Composition and Elocution, upon subjects of the Faculty’s choosing.” The interest of this sum is now divided into Two Prizes of £5 each; the one to be given in alternate years for a Sermon or Theological Essay, and for an Essay on Mental Philosophy and English Literature, the other to be given annually for a translation from some Classical Author, or other composition connected with Classical Literature. The competition for these prizes is open to all matriculated students of the University.

**COWAN GOLD MEDALS.**—In 1836 Dr. Cowan of Sunderland presented to the University the sum of £400, the interest to be applied annually in the purchase of Two Gold Medals of the value of about £10 each, to be awarded to the two students who may distinguish themselves most in the Greek and Latin Examination upon the Blackstone; and shortly afterwards (1839) the same gentleman presented the University with an additional sum of £105, the interest to be expended annually in the purchase of a Gold Medal of the value of £5, to be awarded to the best student in the Humanity Class.

The examination for Dr. Cowan’s Blackstone Medals will be held early in November, 1916. Competitors to be eligible must be public students in some curriculum class in the Faculty of Arts.

For the Greek Medal—1. A candidate must have received a Certificate in the Greek Class for session 1915-1916.

2. Every candidate will be required to answer a Preliminary Paper, consisting of unprepared passages for translation.

3. Two or more candidates, selected by this paper, will on a subsequent day be examined orally in the books which they offer.

4. Each selected candidate must offer for the Oral Examination (i.) one Verse Subject, (ii.) one Prose Subject. (i.) The Verse Subject must be *either* five books of Homer, *or* two Greek plays (tragedies or comedies). (ii) The Prose Subject may be any *one* of the



following :—(a) Herodotus—two books ; (b) Thucydides—two books ; (c) Plato—two dialogues, or two books of the *Republic* ; (d) Aristotle—two books of the *Ethics*, of the *Politics*, or of the *Rhetoric*.

5. Any member of the Greek Class for session 1916-17 is at liberty to go in for the Preliminary Paper, even though he is not a candidate for the Cowan Medal ; and if he acquits himself with distinction in that paper, his name will be mentioned when the award of the Medal is announced.

For the Latin Medal competitors must in the session preceding the competition have received a public ticket of the Latin Class.

The following books are prescribed in Latin for 1915-16 and until further notice : Plantus, *Aulularia* and *Miles Gloriosus* ; Virgil, *Aeneid*, viii.-x. ; *Livy*, Bks. vii.-ix. ; Lucan, *Pharsalia*, vii.-ix. ; St. Augustine, *Confessions*.

Notice is hereby given, that at the examination for Dr. Cowan's Medals in November, 1892, and thereafter, no one will be admitted to compete for the Greek Cowan Medal who has attended for more than three sessions, or who, after passing the preliminary examination in Greek, has attended for more than two sessions in any Scottish University, and no one shall be admitted to compete for the Latin Cowan Medal who has attended for more than two sessions, or who, having been admitted to the Senior Class in consequence of having passed the preliminary examination in Latin, has attended for more than one session in any Scottish University.

CUNNINGHAME GOLD MEDAL.—In 1886 Mr. Andrew Cunningham, Town Clerk Depute of Glasgow, bequeathed to the University, *inter alia*, £350, free of legacy duty, with directions that the annual revenue thereof should be applied in purchasing a Gold Medal as a prize in the class of Mathematics.

ARCHIBALD DENNY PRIZE.—In 1912 Dr. Archibald Denny presented to the University a capital sum the free annual income of which is to be awarded annually as a Prize in Naval Architecture. The competition is open to students who have, in the session of competition, attended the senior class of Naval Architecture, and who are completing the Final Science Examination under Ordinance No. 23, Glasgow No. 2, embracing (a) Naval Architecture with Marine Engineering and (b) Practical work in Ship and Marine Engineering drawing, the award to be determined by the proficiency shown in (b), provided that the candidate has also reached a satisfactory standard in (a). The Prize has been given by Dr. Denny to enable the successful student to take a holiday after the work of the session is over.

DICKSON PRIZE.—In 1895, when the late Professor Dickson retired from the Chair of Divinity, his former students presented him with a testimonial consisting of silver plate and a cheque for £120. This

sum was handed over by Dr. Dickson to the University Court, that the free annual income might be applied in the form of a prize of serviceable books to accompany the gold medal given to the most distinguished student of the year in the class of Divinity. In accordance with the wish of the subscribers the prize has been called the Dickson Prize.

**DOBBIE-SMITH GOLD MEDAL.**—In 1881 Mr. Thomas Smith, L.R.C.S.E., Heriot Hill House, Edinburgh, presented to the University, in memory of his wife, lately deceased, the sum of £150 for the purpose of founding a University Gold Medal of about £10 in value, to be given biennially for the encouragement of the study of Botany. The competition is open to all Matriculated Students of the session in which the Medal is to be awarded; the subject of competition—which shall always be a Botanical subject—to be selected by the Professors of Botany and Natural History, and announced at least eighteen months before the date fixed for receiving essays.

**DOWANHILL PRIZES.**—Two prizes, one of £20, and the other of £10, for "Excellence in the Art of Oratory and Declamation, and in the practice of a refined and pleasing Delivery, and in reading the Scriptures," founded in 1865 by Mr. John Buchanan, merchant in Glasgow, as sole Trustee, nominated and appointed by his deceased brother, Mr. Thomas Buchanan, also merchant in Glasgow, and in order to carry out the intentions of his said brother. These prizes are awarded annually to Students of Divinity, at the termination of the third or fourth session of their attendance on the Hall, by the votes of their fellow-students. Competitors must have attended for two sessions an Elocution Class, taught by a master approved by the Senate.<sup>1</sup>

The above foundation is in memory of the late Mr. James Buchanan of Dowanhill, of Ellison MacCallum, his wife, and of Mr. George Buchanan of Stanley, Perthshire, the Father, Mother, and elder Brother of the Founder.

**EWING GOLD MEDAL.**—In 1828 James Ewing, LL.D., of Levenside, presented the University with £100 for a Gold Medal to be given every second year for the best essay on an historical subject. The Gartmore and Ewing Medals are to be given alternately.

**FINDLATER (DIVINITY) SCHOLARSHIP OR PRIZE.**—This Scholarship, consisting of the free annual proceeds of the sum of £1,000 gifted to the Senate by Mr. Alexander Findlater, Dublin, was founded in 1871. The following regulations have been adopted by the Senate:—

1. The Findlater Scholarship shall be awarded annually by competition.

<sup>1</sup> See note under Faculty of Theology, *supra*.

2. At the competition in April, 1908, and thereafter biennially (March, 1918), the examination shall be in Divinity (Biblical and Systematic Theology), Church History, and Biblical Criticism; at the competition in November, 1908, and thereafter biennially (October, 1916), the examination shall be in Hebrew, New Testament Exegesis, and Apologetics.

3. The subjects of examination in each of the departments shall be the same as those prescribed for the Degree of B.D.

4. The examination shall be held at the same time as the examination for the Degree of B.D.

5. The competition shall be open to all students of Divinity in this University who shall complete the ordinary course at the close of the session in which the examination is held, or who shall have completed their course at the close of the session immediately preceding.

6. No candidate who has gained the Scholarship at one examination shall be at liberty to compete for it a second time.

The next competition will take place in October, 1916. Names of Candidates to be given in to the Registrar, on or before 2nd October, 1916.

**GARTMORE GOLD MEDAL.**—In 1788 Mr. Robert Graham of Gartmore presented the University with £100 for the institution of a Prize for the best essay on any subject intimately connected with the nature, foundation, advantages, and support of political liberty. This Prize—a Gold Medal—is open to the competition of all students of the University, and is given biennially. The founder directed that the surpluses should be accumulated till a capital was formed sufficient to found a Bursary.—See Gartmore Bursary, p. 418.

**ROYAL SCOTTISH GEOGRAPHICAL SOCIETY'S MEDAL.**—The Council of the Royal Scottish Geographical Society have resolved to offer annually a Silver Medal to each of the Universities of Edinburgh and Glasgow, to be given in connection with the Lectures on Geography at these Universities, for a special essay on a subject to be settled upon by the Committee of the Society and the Lecturers on Geography.

**GLADSTONE HISTORICAL PRIZE.**—Founded in 1880 by the Gladstone Club, in commemoration of the election in 1877 of the Right Honourable William Ewart Gladstone, M.P., as Lord Rector of Glasgow University, and in recognition of his distinguished career as a scholar, author, statesman, and orator. The following are the regulations:—

1. The prize shall be given for the best examination in English History.

2. The examination shall be held biennially.

3. The value of the Prize shall be Twenty Guineas.

4. The competition shall be open to Graduates of Glasgow University of not more than two years' standing from the date of their first graduation. The next competition will take place in January, 1918, and the value will be £25. Names of competitors to be given in to the Registrar not later than 1st December, 1917.

**GLADSTONE MEMORIAL PRIZE.**—In November, 1899, the Committee of the Gladstone Memorial Fund resolved to devote the revenue accruing from the surplus of the Fund to the establishment of Gladstone Memorial Prizes to be given in Books at the Universities of Oxford, Cambridge, and London, at the Scottish Universities; and the University Colleges in Great Britain, for special proficiency in History, Political Science, and Economics. In this University the prize, in value Five Pounds, will be awarded annually. Either graduates of this University who have taken the degree of M.A. with Honours, or students presenting themselves for examination for the Degree of M.A. with Honours in Economic Science, may be candidates; but no student shall be eligible after the expiration of more than six winter sessions from the time of his or her first entering a class qualifying for the Degree of M.A., and no student who has once obtained the prize may compete a second time. The subjects of examination shall be the same as those prescribed for Honours in Economic Science, and the examination shall be held at the same time as the autumn examination for Degrees with Honours in Economic Science. The Prize is awarded by the Senate on the report of the Examiners for Degrees, and it is competent for the Senate to award it to the holder of a Fellowship, or Scholarship, or Bursary. The Prize will be open to competition in October, 1916.

**WILLIAM GUTHRIE PRIZES.**—Founded in 1909 in memory of William Guthrie, LL.D., Sheriff of Lanarkshire, who died on 31st August, 1908. The Guthrie Memorial Committee resolved that the funds subscribed, amounting to over £200, should be handed to the Faculty of Procurators, Glasgow, to be invested by the Faculty for the purpose of providing annually, in each of the classes of Jurisprudence and International Private Law in the University of Glasgow, a Prize to be called the "William Guthrie Prize." The Faculty accepted the Trust.

**GEORGE HARVEY PRIZE.**—Founded in 1874, by the liberality of a donor who has withheld his name, in memory of the late Mr. George Harvey of No. 9 Park Quadrant, Glasgow. Present annual value £14, which is given as a prize in the class of Civil Engineering, to the student who shows, during the session, the greatest proficiency in the department of applied Mechanics and Shipbuilding. Any accumulation of surplus income to be given as a second prize of £5 or £10 in the same department.

**HENDERSON PRIZE.**—In 1850 Mr. John Henderson of Park, merchant in Glasgow, instituted an annual prize of the value of £21 sterling, to be called the "Henderson Prize," for the best Essay on some subject relating to the Divine Authority and Practical Value and Influence of the Sabbath. The Universities Commission (1889), by Ordinance No. 101, altered the conditions and directions affecting this prize. It is now to be awarded for the best essay on a subject to be fixed by the Faculty of Divinity, provided always that in every third year at least the subject shall relate to the Divine authority and practical value and influence of the Sabbath. The competition is to be open to Masters of Arts of not more than five years' standing, as well as to matriculated students of the University.

**HERKLESS PRIZE.**—Mrs. Margaret F. Herkless, who died on 11th June, 1911, the widow of William Robertson Herkless, LL.B., Professor of Jurisprudence and the Law of Scotland in St. Mungo's College, Glasgow, by her Trust Disposition and Settlement directed her Trustees to pay to the University of Glasgow, free of legacy duty, the sum of £500, for the foundation of a prize to be called the Herkless Prize, and to be given annually in the Faculty of Arts to the best woman graduate of the year. The prize is awarded in June.

**WILLIAM JACK PRIZE.**—In 1909, when Professor William Jack, LL.D., retired from the Chair of Mathematics, a Committee was formed with a view to providing some lasting memorial of his services to the University. The Committee, on behalf of the subscribers, in 1910 presented to the University a portrait of Professor Jack, painted by Sir James Guthrie, P.R.S.A., together with a sum of £300 for the institution of a prize to be awarded at intervals for the best work on a mathematical subject submitted and approved for the degree of D.Sc. The Senatus, with the approval of the University Court, has adopted the following regulations for the prize:—

1. The William Jack Prize shall consist of the income of the Capital Fund accumulated during four years.

2. The Adjudicators shall be the Principal, the Professor of Mathematics, and the Professor of Natural Philosophy.

3. The Prize shall be awarded by the Senatus, on the recommendation of the Adjudicators, at intervals of four years (the first period beginning with 1910) to the author of a thesis or published work in pure or applied mathematics, submitted and approved for the degree of Doctor of Science during the period, whose thesis or work is in the opinion of the Adjudicators worthy of this special distinction.

4. In making their recommendation the Adjudicators shall have regard to the written reports presented to the Faculty of Science by the Examiners and additional Examiners appointed under Section X. of University Court Ordinance No. XXVI.

5. The Adjudicators may, if they think fit, make no recommendation, and in that case the amount of the Prize shall be added to the Capital Fund; or they may, in case of equality of merit, recommend that the Prize be divided among two or more prizemen.

6. After the year 1922 the Regulations may from time to time be modified by the Senatus, with the approval of the University Court; provided always that the Prize shall continue to be awarded for special distinction in pure or applied mathematics.

**JAMIESON PRIZE.**—In 1854 a subscription list was opened for the foundation of a prize or scholarship in Divinity, but the commercial difficulties of the following years prevented the purpose of the promoters being carried out at the time. In 1881 the sum subscribed, amounting, with accumulated interest, to £319 6s. 4d., was handed over to the University, and the Senate resolved to connect it with the name of the Convener of the Committee of subscribers, the Rev. Robert Jamieson, D.D., formerly minister of St. Paul's Church, Glasgow.

The following regulations have been adopted by the Senate:—

1. The Jamieson Prize shall be awarded annually by competition.

2. At the competition in November, 1907, and thereafter biennially (October, 1917), the examination shall be in Hebrew, New Testament Exegesis, and Apologetics; at the competition in April, 1909, and thereafter biennially (March, 1917), the examination shall be in Divinity (Biblical and Systematic Theology), Church History, and Biblical Criticism.

3. The subjects of examination in each of the departments shall be the same as those prescribed for the Degree of B.D.

4. The examination shall be held at the same time as the examination for the Degree of B.D.

5. The competition shall be open to all students of Divinity in this University who shall complete the ordinary course at the close of the session in which the examination is held, or who shall have completed their course at the close of the session immediately preceding.

6. No candidate who has gained the Prize at one examination shall be at liberty to compete for it a second time.

The next competition will take place in March, 1917. Names of candidates to be given in to the Registrar on or before 2nd March, 1917.

**JEFFREY GOLD MEDAL.**—Mr. Francis Jeffrey, advocate (afterwards Lord Jeffrey), on his re-election as Lord Rector of this University, in 1821, gave a prize of a Gold Medal and continued to do so annually.

In 1849 Lord Jeffrey presented the University with the sum of £120 for a Gold Medal to be awarded each session to the most distinguished student of the Greek Class.

**KELVIN PRIZE.**—In memory of Lord Kelvin this Prize, consisting of a Gold Medal and Money Prize, was founded in 1911 by Lady Kelvin, who for that purpose presented to the University, along with the die for the Medal, a sum of £500. The following are the Regulations of the Prize :—

1. The Kelvin Prize shall consist of a Gold Medal of the value of £10 together with the balance of the income of the Capital Fund accumulated during three years.

2. The Adjudicators shall be the Principal, the Professor of Natural Philosophy, and the Professor of Mathematics.

3. The Prize shall be awarded by the Senatus, on the recommendation of the Adjudicators, at intervals of three years (the first period beginning with 1911) to the author of a thesis or published work in Natural Philosophy, including therein mathematical and experimental physics, which has been submitted and approved for the Degree of Doctor of Science during the period, and which gives evidence of original research worthy in the opinion of the Adjudicators of this special distinction.

4. In making their recommendation the Adjudicators shall have regard to the written reports presented to the Faculty of Science by the Examiners and Additional Examiners appointed under Section X. of University Court Ordinance No. XXVI.

5. Not more than one award shall be made in each period of three years, and the Prize shall not be divided. The Adjudicators may, if they think fit, recommend that for a particular period of three years no award be made, and, in that case, the income of the Prize shall be added to the Capital Fund.

6. The Kelvin Prize and the William Jack Prize shall not be awarded to the same person.

7. After the year 1920 the regulations may from time to time be modified by the Senatus, with the approval of the University Court; provided always that the Prize shall continue to be awarded to graduates of the University for special distinction in original research relating to mathematical and experimental physics.

**KIRK MEMORIAL PRIZE.**—A sum of £402 was collected in 1893 by various friends of the late Alexander Carnegie Kirk, LL.D., formerly President of the Institution of Engineers and Shipbuilders in Scotland, for the purpose of founding a prize in his name, in connection with the Naval Architecture Class in the University. The free annual income of the foundation is awarded annually as a prize. The competition is open to students who have, in the session of competition, attended the Senior Class of Naval Architecture, and who are completing the Final Science Examination under Ordinance No. 23, Glasgow No. 2, embracing (a) Naval

Architecture with Marine Engineering, and (b) Practical Work in Ship and Marine Engineering Drawing, the award being determined by the proficiency shown in (a) and (b). Should two or more candidates be reported equal, the Senate may divide the Prize, or prescribe a further examination. The subscribers have given the Senate power to convert this Prize into a Bursary, should it be found expedient or advantageous to do so at any future time.

**THOMAS LOGAN MEMORIAL MEDAL AND PRIZE.**—Mr. David Logan, fruiterer, Glasgow, who died on 19th May, 1886, directed his trustees to pay to the Senate the sum of £500, free of legacy duty, to found a Gold Medal and Prize in memory of his brother, Thomas Logan. The Medal is of the value of £5, and the Prize consists of the balance of the annual proceeds given in money. They are awarded annually in June to the graduate in Arts of the preceding year who obtained the highest marks in the Degree Examinations.

**LUKE HISTORICAL PRIZE.**—A sum of £150 was collected in 1863 by various friends of the late Mr. George Rankin Luke, in Oxford and Scotland, for the purpose of founding a prize in his name, in connection with the University of Glasgow, where he studied during two years of his brilliant career as a scholar.

The Senate, with the sanction of the promoters of this fund, resolved to employ it to found a biennial Prize, for excelling in a competitive examination on general subjects connected with Ancient History and Literature. The examination to be conducted either altogether in writing, or by combination of writing and *vivâ voce* questions; and the determination to rest with the Professors of Humanity and Greek, in conjunction, in case of uncertainty, with any one of their colleagues whom they may desire to nominate.

The Prize on the above foundation, in value £10, is given to the student who acquits himself best in an examination in Ancient Greek and Roman History.

The next competition will be held in January, 1917. In addition to historical questions, original passages will be given for translation from the standard authors. The competition is open to all students who shall have attended during session 1915-16 any Greek or Latin Class.

Names of Candidates to be given in to the Registrar on 1st December, 1916.

**MACFARLAN AND COOK TESTIMONIAL PRIZE.**—The Macfarlan and Cook Testimonial Prize of Twenty Guineas, instituted in 1847 (along with a similar Prize in the University of St. Andrews), by the friends of the late Principal Macfarlan, D.D. of this University, and Professor George Cook, D.D. of St. Andrews, as a memorial of the services rendered to the Church of Scotland by these eminent



clergymen, is bestowed annually on the Theological Student, of three years' standing, who shall pass the best examination in Greek, Moral Philosophy, Hebrew, Ecclesiastical History, and Divinity.

**MACKENZIE SCHOLARSHIP OR DIVINITY PRIZE.**—This Prize, founded in 1907 under the will of the late Miss Eliza Bennie Mackenzie, Broughty Ferry, in memory of her brother, the late Rev. John Mackenzie, sometime Minister of the Parish of Kettins, of about £25, for an Essay on a prescribed subject connected with the History of the Christian Church or the Forms of Worship thereof or some special Department of the Church's Work, is open to men studying for the Ministry of the Church of Scotland in the Divinity Halls of the Four Scottish Universities or to any Probationer of the Church of Scotland within a year after completion of studies in such institution. Essays of Competitors must be lodged not later than 15th October in each year. For regulations, subject prescribed, etc., apply to Messrs J. & J. Ogilvie, Solicitors, 13 Albert Square, Dundee, the Agents for the Trustees.

**MACLEOD MEDAL.**—In 1895 Lady Macleod instituted this Gold Medal in memory of her husband, Sir George Husband Baird Macleod, M.D., LL.D., Regius Professor of Surgery in this University from 1869 to 1892. The competition is open only to those who have attended the classes of Systematic and Operative Surgery taught by the Regius Professor of Surgery in the University, and women students are not eligible. The Medal is awarded yearly to the student who most distinguishes himself in the work (written, oral, and practical) of these classes.

**DR. ANDREW MILLER PRIZE.**—The University Court received the sum of £161 14s. 6d. from a few personal friends and admirers of the late Rev. Andrew Miller, D.D., Bluevale, Glasgow, for the foundation of a prize to be known as "The Dr. Miller Prize," in recognition of Dr. Miller's able ministry in Bluevale, his great service to the Church of Scotland in general, and his valuable contribution to Theological thought by his Robertson Lectures in Glasgow University.

The following regulations drawn up by the Senate were approved by the University Court on 8th May, 1913:—

1. The Prize shall be known as the Dr. Miller Prize, and shall be awarded annually in the form of books for an essay on a subject prescribed by the Faculty of Theology, and adjudged by them.

2. The Essay shall be on some subject connected with Christian Doctrine and Ethics.

3. All candidates must be students of Divinity in the University of Glasgow who intend the ministry of the Church of Scotland, and who have matriculated in the preceding session.

**MUIRHEAD PRIZES.**—In 1776 Messrs. John Muirhead of Teggetsheugh, and Peter Muirhead, minister of Dysart, brothers of the deceased Mr. George Muirhead, Professor of Humanity in Glasgow College, presented a donation of £100, the interest to be applied in purchase of books to be awarded as prizes to those students attending the Humanity Class who shall be thought most deserving.

**GEORGE ROGER MUIRHEAD PRIZE.**—In 1896 a sum of £100 was bequeathed to the University by Mrs. Elizabeth Lockhart Roger or Muirhead, Glasgow, to found a prize in the Chemistry class in memory of her son, George Roger Muirhead, who studied Chemistry in this University. The free annual income is paid annually to the medallist of the Chemistry class for the year.

**NICHOL MEMORIAL PRIZE.**—In 1895 the late Mrs. Jack presented the University with the sum of £150 for the purpose of founding a prize, to be called the “Nichol Memorial Prize,” in memory of her brother, John Nichol, LL.D., Professor of English Language and Literature in this University from 1862 till 1889, who died in London on 11th October, 1894, and especially in commemoration of the active interest which he took in the teaching of English Literature to women in Glasgow and elsewhere. The free income of the fund is applied annually to providing a first prize for the English Literature Class in Queen Margaret College.

**RAE WILSON GOLD MEDAL.**—(See Cleland and Rae Wilson, p. 505.)

**RAMSAY MEMORIAL GOLD MEDAL.**—This Medal, of the value of £10, was founded in March, 1907, by Emeritus-Professor George Gilbert Ramsay in memory of his uncle, William Ramsay, who was Professor of Humanity in this University from 1831 to 1863. The following are the conditions laid down by the founder, viz.:—The Medal shall be given yearly to the best Student in the Honours Humanity Class, without reference to whether he or she be attending that class for the first or any subsequent year, provided only that he or she have attended regularly throughout the Session, and gone through all the work and examinations of the class, and shall be awarded on the same principle as that on which The Muirhead Prizes have hitherto been awarded, viz.:—“To the Student or Students who have passed the best examination in the Prelections delivered and the subjects read in the Honours Class during the Session”; inclusive, however, of any examinations in unseen work or exercises which may form part of the regular work of the class, but exclusive of any exercises or essays done out of the class or at home. The particular arrangements for the examinations to be determined by the Professor of Humanity for the time being, subject to the approval of the Senate.

The above conditions may be revised by the Senate, if altered circumstances so require, provided that their general spirit be not departed from.

**JOHN REID PRIZE.**—A Prize of the value of £25 was founded in 1882 by Miss Mary Reid, Renfrew Street, Glasgow, in memory of her brother, the late Mr. John Reid, surgeon, 150 Renfrew Street, Glasgow. The prize will be awarded for the best original research conducted in one or more of the Hospitals or Scientific Laboratories in Glasgow, bearing on any department of Medical Science. The competition is open to registered students of medicine of not less than two years' standing; and to qualified medical men of not more than two years' standing, who (1) are still attached as *bond fide* students to one of the Glasgow Medical Schools, who (2) are not engaged in practice, and who (3) undertake to give up the prize if they enter on practice while holding it. All candidates are required to produce evidence of having attended a regular course of instruction, in one of the recognised medical schools of Glasgow, on *four* of the following subjects:—Medicine, Clinical Medicine, Surgery, Clinical Surgery, Materia Medica, Physiology, Pathology—such course of instruction having been received, in whole or in part, within three years of competing for the prize. The prize may be awarded for one, two, or three years, according to the value of the work done; or it may be withheld if the work of none of the Competitors be of sufficient merit to warrant the granting of the Prize.

Further information may be obtained from Mr. John Hurl, writer, 142 St. Vincent Street, Glasgow.

**ROBERT ROSS PRIZE.**—The late Robert Ross, Esq., writer, Glasgow, by his Will, dated 1880, bequeathed to the Dean and Council of the Faculty of Procurators, Glasgow, the sum of £500, to be held by them in trust, "to the end that the free annual income thereof shall be applied as an annual prize in the form of a medal, of books, or of money, as the Dean and Council may determine, to a student in each of the Scots Law Class and the Conveyancing Class of the University of Glasgow in equal proportions, such prize to be awarded for eminence displayed, either in the general business of the class or in any other manner in which the said Dean and Council may prescribe."

**SCOTT-MACFARLAN GOLD MEDAL.**—Founded in 1870 by Miss Scott, daughter of the late Rev. Robert Allan Scott, Vicar of Cranwell, Lincolnshire, in fulfilment of her father's intentions.

Mr. Scott, wishing to encourage the study of Greek in the University of Glasgow, of which he was an alumnus, and from which he obtained an Exhibition to Balliol College, Oxford, in 1825, dedicated to that purpose the sum of £100 for a Gold Medal, to be called the "Scott-Macfarlan Prize for Greek," in memory of Mr. Scott's kinsman, the late Principal Macfarlan, and to be given on the last day of the session in each year to the best scholar in Greek of the session; the medal to be adjudged by the votes of the students of the upper Greek class. As the Jeffrey Medal has long

been given to the best student in the senior Greek Class, the "Scott-Macfarlan" Medal is awarded to the best student attending the Honours Greek Class for the first time.

**STRAITS SETTLEMENTS GOLD MEDAL.**—This medal, subscribed for by former Scottish students resident in the Straits Settlements, is proposed for award in the Universities of Edinburgh, Glasgow, and Aberdeen in rotation. The first award in Glasgow was made in 1911.

It is proposed that the Medal shall be awarded to the Graduate in Medicine who shall have presented, during the year of award or either of the two years immediately preceding, the Thesis approved for the Degree of M.D. on some subject in connection with Tropical Medicine or Tropical Hygiene which, in the opinion of the Faculty of Medicine, is most worthy of the award.

The next award by Glasgow University, to be made in 1919, will take into account the Theses received during 1915, 1916, 1917, 1918, 1919.

**STRUTHERS GOLD MEDAL AND PRIZE.**—In 1907, Sir John Struthers, M.D., LL.D., Professor of Anatomy in the University of Aberdeen, founded this Medal and Prize by the following Codicil to his Will:—

"(Fourth) I leave to the University Court of the University of Glasgow the sum of Five hundred pounds sterling for the purpose of founding an Award in Anatomy—the said sum to be invested as a special fund and the interest therefrom applied as hereunder directed. It is not intended to be a Student's Prize in the ordinary sense of that term, but for the purpose of encouraging Original Research or Special Practical Work; the award to be on the following conditions—(a) To be awarded for the best original Research or for the best special Dissection or Preparation or series of Dissections or Preparations. It may relate to any part of Anatomy—Human or Comparative—naked eye or microscopical, embryological or developed. The decision to rest with the Professor of Anatomy in the University. (b) The award to be made every second year at such period of the year as the Professor of Anatomy may from time to time fix—the period for the next award being duly announced in the *University Calendar*. The Professor of Anatomy to have it in his power to withhold the Award in any year or years in the event of what is given in being considered by him not such as to merit the award, and in that event or in the event of there being no candidate for the Award, the interest of the fund due at such time may either be added to the sum due when the next award is made or may go to increase the Capital Fund as the Professor of Anatomy may from time to time decide. The Award to be in the form of a Gold Medal with Money Prize consisting of such balance as the interest of the Fund after providing for the Medal may have produced. (c) The Award

to be open to all students or graduates of the University of Glasgow who are attending or who have at any former time attended the Practical Anatomy Class in the University of Glasgow. (d) Any dissections or preparations or microscopical specimens connected with the Research, or for which the Award has been made, to belong to the Anatomical Museum of the University, duly marked with the name of the person by whom the Award was gained. (e) As the Degrees of the University are now open to women, it is but just that this Award should be open also to women students and graduates reckoning their attendance on the Practical Anatomy Class at Queen Margaret College as equivalent to attendance on that of the Professor of Anatomy, but the Professor of Anatomy in the University is in all cases to be the sole judge in deciding the Award."

The next award will be made in Session 1916-1917, and the competition will be open to all who have been students in the Class of Anatomy in this University in that or any preceding Session. The choice of subject is, in the meantime, left to candidates, but their attention is specially called to the condition marked (a) in the preceding excerpt from the will. No dissertation shall become ineligible for presentation as a graduation Thesis by having been offered for this prize.

Dissertations should be lodged with the Clerk of Senate not later than the end of April, 1917. The award will be announced during the Summer Session.

**UNIVERSITY MEDAL.**—The University bestows annually a Silver Medal for an Essay in Mental Philosophy.

**WALKER PRIZES.**—Four Prizes (consisting of Books or Instruments) to be competed for each year by students of Civil Engineering and Mechanics, founded in 1857 and 1861 by James Walker, Esq., Civil Engineer, LL.D., F.R.S.S.L. and E.

The competition is open to all persons who shall have duly entered themselves as attending the class of Civil Engineering and Mechanics during the current session.

The competitors are examined orally and in writing; and two of the prizes are awarded on the results of the written examinations; the other two by votes of the class.

**WATSON HISTORICAL PRIZE.**—This Prize was founded in January, 1905, by Mr. Robert William Seton-Watson, in memory of his father, William Livingstone Watson, of Ayton and Balmanno, who died on 19th May, 1903. The following are the conditions laid down by the donor, viz.:—

1. The Prize shall be called the Watson Historical Prize, and its object is to encourage the study of History and Foreign Languages.
2. The prize shall be offered from time to time in money, and shall never be of the value of less than £50. It shall be offered as

soon after that sum is available out of the income of the investment as shall seem advisable to the Senate.<sup>1</sup>

3. The prize shall be adjudged by the Examiners in the Honours Group of History.

4. The prize shall be awarded to the student who shall be adjudged to have passed highest in the examination in the Honours Group of History, provided that the candidate shall have reached the standard of a First Class in that examination.<sup>2</sup>

5. Should the prize not be awarded in any year in which it is offered, the sum available shall be added to the capital sum.

6. The successful candidate shall be bound to spend not less than three months on the continent of Europe in studying a foreign language or in carrying out research in foreign archives—in either case to the satisfaction of the Professor of History; and he shall pledge himself to avoid, so far as is in his power, hotels, pensions, and other places where English is spoken.

7. The prize shall be paid in two instalments, viz., at first £35 when the successful candidate sets out for the Continent, and after the lapse of two months the balance—in each case on the certificate of the Professor of History.

8. The Donor reserves the right, under advice from the Professor of History or the University Court, to readjust the conditions attached, with a view to effect any improvements which may be suggested by experience.

### LIST OF BURSARIES, &c., OPEN TO COMPETITION DURING SESSION 1916-17.

*N.B.—For Bursaries, etc., open to Women students see pp. 394-397, 471, 501.*

#### A.—FACULTY OF ARTS.

##### 1.—BURSARIES.

FOR STUDENTS ENTERING THE FIRST OR SECOND SESSION IN ARTS.

1, 2, 3. *Three James A. Paterson Bursaries*, annual value £30, £20, and £10 respectively, tenable for three years, for students preparing for the Ministry of the United Free Church. The subjects of examination are Hebrew (Book of Ruth) and Greek (Acts of the Apostles).

4. *James Paterson Bursary*, annual value £17, tenable for three years. The subjects of examination are Latin (Virgil), Greek (New Testament), Hebrew (Proverbs), and Logic (Whately's Logic).

5. *James Thomson Bursary*, annual value £11, tenable for two years. The subjects of examination (Mental Philosophy) are (a) Descartes, *Meditations* (Veitch's translation); (b) Zeller's *Socrates and the Socratic Schools*.

<sup>1</sup> To be offered in October, 1916.

<sup>2</sup> On 29th June, 1910, the Senate decided that a student who has already obtained First-Class Honours in History may be allowed to compete for the Watson Historical Prize, provided that he obtained his Honours at a date subsequent to the last award of the Prize.

## FOR STUDENTS ENTERING THE SECOND SESSION IN ARTS.

6. *Lorimer Bursary*, annual value £25, tenable for three years. Subjects of examination: (a) Descartes, *Meditations* (Veitch's translation); (b) Zeller's *Socrates and the Socratic Schools*.

7. *John Ferguson Jaffrey Bursary*, annual value £32, tenable for two years. Subjects of examination as for No. 6.

## FOR STUDENTS IN ARTS WITHOUT RESTRICTION TO A PARTICULAR SESSION.

8. *Muir Junior Bursary in Mathematics*, annual value £8 10s., tenable for sessions 1917-18, 1918-19. The appointment will be determined by the results of the written examinations passed in the course of the session 1916-17 by the public students of the Ordinary Class of Mathematics.

9. *Muir Senior Bursary in Mathematics*, annual value £17, tenable for session 1917-18. The appointment will be determined by the results of the written examinations passed in the course of the session 1916-17 by the public students of the Intermediate Honours Mathematical Class.

10. *Lanfne Bursary in Economic Science*, annual value £27, tenable for two years.

11. *Lanfne Bursary in History*, annual value £27, tenable for two years.

12. *Lanfne Bursary in Semitic Languages*, annual value £27, tenable for two years.

## FOR STUDENTS IN ARTS, OR LAW, OR MEDICINE.

13. *Macdonald Bursary*, annual value £17, tenable for four years, for miners under the age of 21 years. Examination in writing, arithmetic, geography, grammar, and history.

## 2.—FELLOWSHIPS, SCHOLARSHIPS, ETC.

14. *Armagh Bursary in Mathematics and Natural Philosophy*, annual value £52, tenable for three years in Theology, Law, or Medicine. Open to students who are presenting themselves for the final examination for the Degree of M.A. with Honours in Mathematics and Natural Philosophy.

15, 16. *Two Breadalbane Scholarships in Mathematics and Natural Philosophy*, annual value £56, tenable for three years. Open to Glasgow Masters of Arts, or Bachelors of Science in Engineering Science, who have graduated within a period of not more than three years preceding the competition.

17. *George A. Clark Scholarship in English*, annual value £170, tenable for four years. Open to Glasgow Masters of Arts with Honours, or students presenting themselves for the M.A. degree with Honours in English, but no student shall be eligible for the examination after the expiration of more than eight winter sessions from the time of his first entering a class qualifying for the M.A. degree.

18. *John Clark (Mile-End) Scholarship in Germanic Language*,<sup>1</sup> annual value £50, tenable for four years. Open to all Protestant students of good moral character, sons or daughters of Protestant parents, and who have completed their curriculum in Arts in Glasgow University.

19. *John Clark (Mile-End) Scholarship in History*, annual value £50, tenable for four years. Open to all Protestant students of good moral character, sons or daughters of Protestant parents, and who have completed their curriculum in Arts in Glasgow University.

20. *John Clark (Mile-End) Scholarship in Economic Science*, annual value £50, tenable for four years. Open to all Protestant students of good moral character, sons or daughters of Protestant parents, and who have completed their curriculum in Arts in Glasgow University.

21. *William Euing Fellowship in Logic and Moral Philosophy*, annual value £100, tenable for two years. Open to Glasgow Masters of Arts. See p. 480.

22. *William Euing Fellowship in Mathematics and Natural Philosophy*, annual value £100, tenable for three years. Open to Glasgow Masters of Arts. See p. 480.

23. *James Ferguson Bursary in Classics*, annual value £100, tenable for two years. Preference, *ceteris paribus*, to natives of Lesmahagow or Muirkirk, or Pictou, Nova Scotia, and also to students of the names Ferguson or Weir, or to the kin of the Founder. The examination is the same as that for Honours in Classics. See p. 412.

24. *Luke Fellowship in English*, annual value £95, tenable for three years. Open to Glasgow Masters of Arts. Honours examination in English (Language, Literature, and British History).

25. *Mackay-Smith Scholarship in Natural Philosophy*, annual value £48, tenable for two years, for students of Natural Philosophy in session 1915-16 or a previous session. See p. 488.

26. (*Sir Walter*) *Scott Scholarship in Classics*, annual value £80, tenable for two years. Open to Glasgow Masters of Arts.

27. *Gladstone Memorial Prize* of books to the value of £5 is open to graduates of this University who have taken the Degree of M.A. with Honours or to students presenting themselves in October, 1916, for examination for the Degree of M.A. with Honours in Economic Science, but no one whose Arts course began before session 1910-11 is eligible. See p. 510.

28. *Watson Historical Prize* of £50. The examination subjects are those of the Honours group of History. See p. 519.

29. *Luke Historical Prize* of £10, open to students who have attended, during session 1915-16, any Greek or Latin class.

30. *Sandford Scholarship*, annual value £20, tenable for two years. Open to all matriculated students (not Masters of Arts) who have attended the public Greek classes for not less than two sessions. See p. 494.

<sup>1</sup> See page 477.



31. *Snell Exhibition*, total value £400, tenable for five years (see p. 497). Candidates must have been born in Scotland, or must be sons of fathers born in Scotland, and must "have resided as undergraduate students for two years at least in Glasgow College, or for one year in that College and two at least in some other College in Scotland."

32. *Newlands Scholarship*, annual value £83, tenable for four years. Awarded to the successful competitor for the Snell Exhibition.

33. *Thomas Logan Memorial Medal and Prize* will be awarded in June, 1917, to the graduate in Arts of the year 1916 who shall have obtained the highest marks in the Degree examinations.

#### DATES OF EXAMINATIONS.

The examinations for Nos. 1, 2, 3, and 4 will be held on Saturday, 14th October, at 9 a.m. and 2 p.m.; for Nos. 5, 6, and 7, on Thursday, 5th October, at 2 p.m.; for No. 13, on Thursday, 14th September, at 9 a.m. and 2 p.m.

The examinations for Nos. 14 to 28 will be held along with the examinations for Honours in the several departments for the Degree of M.A. in September-October, 1916; for No. 29, in January, 1917; for No. 30 in April, 1917; and for Nos. 31 and 32, at dates to be fixed hereafter.

#### ENTRY OF NAMES.

Candidates for Nos. 1 to 7 inclusive are required to give in their names to the Registrar not later than Tuesday, 29th August; for No. 13, not later than Friday, 25th August.

Candidates for Nos. 14 to 28 are required to give in their names (*on a special form*) to the Registrar not later than 29th August; for No. 29, not later than 1st December, 1916; for No. 30, before the end of March, 1917; for Nos. 31 and 32 candidates are expected to inscribe their names in a book kept by the Registrar for the purpose, not later than 1st November, 1916.

### B.—FACULTY OF SCIENCE.

1, 2. *Two Metcalfe Bursaries*, annual value £25, tenable for two years. Open to students entering the class of Chemistry or of Intermediate Honours Mathematics.

3. *George Young Bursary*, value £38, tenable for one year, for students in the class of Civil Engineering. To be awarded in October, 1916, to the eligible candidate with the best record in the First Science Examination. See p. 469.

4. *Robert Donaldson Scholarship in Chemistry*, annual value £66, tenable for two years. See p. 478.

5. *James Watt Scholarship*, annual value £42, tenable for two years, for a Bachelor of Science of distinction of not more than two years' standing. See p. 500. Applications to be sent to the Clerk of Senate before end of September, 1916.

6. *Strang Steel Research Scholarship* in Group (b)—see p. 499. Annual value £160. Applications to be sent to the Clerk of Senate before end of September, 1916.

7. *Mackinnon Scholarship in Natural History (with Comparative Anatomy)*, £120, tenable for one year. See p. 489.

8. *Mackay-Smith Scholarship in Chemistry*, annual value £48, tenable for two years, for students of Chemistry in session 1915-16 or a previous session. See p. 488.

9, 10. *Muir Bursaries in Mathematics*—see Nos. 8 and 9 under Faculty of Arts.

11, 12. *Muir Bursaries in Civil Engineering and Mechanics*, each of annual value £13, tenable for session 1917-18. See p. 449.

13. *Kirk Memorial Prize* of £14 for students completing Final Science Examination for B.Sc. on the side of Naval Architecture. See p. 513.

14. *Denny Prize* of £10 for students completing Final Science Examination for B.Sc. on the side of Naval Architecture. See p. 507.

15. *Lindsay Burnet Silver Medal*, for a Thesis in Engineering. See p. 504.

#### DATES OF EXAMINATIONS.

The examinations for Nos. 1 and 2 will be held on Saturday, 23rd September, at 9 a.m. and 2 p.m.; on Friday, 29th September, at 9 a.m.; and on Friday, 6th October, at 9 a.m. and 2 p.m. The examination for No. 7 will begin on Saturday, 30th September, at 9 a.m. The examination for No. 8 will begin on Friday, 29th September, at 9 a.m.

#### ENTRY OF NAMES.

Candidates for Nos. 1 and 2 are required to give in their names to the Registrar not later than 29th August; for Nos. 7 and 8, not later than Friday, 1st September.

For the *Denny Bursaries*, the 1851 *Exhibition Science Scholarships*, the *Dobbie Smith Gold Medal*, the *George Harvey Prize*, the *G. R. Muirhead Prize*, and the *Walker Prizes*, see pages 410, 482, 508, 510, 516, 519, respectively.

### C.—FACULTY OF MEDICINE.

Section XIII. of University Court Ordinance No. XXVII. is as follows:

Bursaries open for competition to students entering on their first session of attendance in the Faculty of Medicine shall be tenable only by those students who have passed the Preliminary Examination in Medicine, or who have been exempted therefrom in accordance with the provisions of the Regulations for Degrees in Medicine, and who have not attended any class qualifying for graduation in Medicine: Provided always that the last-mentioned condition shall not be held to exclude a Candidate who may have attended the class of Physics, Chemistry, Botany, or Zoology, otherwise than as part of a graduation course in Medicine.

1. *Lorimer Bursary*, annual value £25, tenable for three years. Open to medical students entering on their second winter session. The marks previously obtained in Botany and Chemistry of the First Professional Examination by students who have passed either or both of these subjects are reckoned in the competition for the bursary, and students are not at liberty to take the subject or subjects again.

2. *Davidson Bursary*, annual value £34, tenable for three years, will be awarded in accordance with the results of the First Professional Examination, a preference being given as stated on page 409.

3. *John Monteith Bursary*, annual value £21, tenable for two years, will be awarded in November to the student who gains the highest number of marks in Anatomy and Physiology in March and October, 1916.

4. *Rainy Bursary*, annual value £20, tenable for two years. Open to students entering on their fourth session of medical study. See p. 458.

5. *Andrew Weir Bursary*, value £18, tenable for one year, will be awarded in November in accordance with results of Second and Third Professional Examinations.

6. *Dr. Thomas Gibson Bursary*, annual value £36, tenable for four years. Open to medical students entering on their second winter who are preparing for service as medical missionaries. See p. 419. Applications to be sent to the Clerk of Senate early in October, 1916.

7. *Mackintosh Bursary*, value £31, tenable for one year. Open to medical students of either sex who have attended one of the courses of Lectures on Insanity.

8. *Junior Arnott Prize*, of about £15, for an examination in General Physics, open to students of the first and second years of their medical studies.

9. *Senior Arnott Prize*, of £25, for an examination in Physiological Physics, open to students of the third and fourth years of their medical studies.

10. *Joseph Coats Memorial Scholarship*, value £85, tenable for one year. See p. 477.

11. *Brunton Memorial Prize*, of about £10, is given to the most distinguished graduate in Medicine of the year.

#### DATES OF EXAMINATIONS.

The examinations for No. 1 will be held on Friday, 29th September, at 9 a.m.; on Saturday, 30th September, at 12 noon; and on Monday, 9th October, at 9 a.m.; and for Nos. 8 and 9, on Friday, 6th October, at 2 p.m. The examination for No. 7 will be held in June.

#### ENTRY OF NAMES.

Candidates for No. 1 are required to give in their names to the Registrar not later than 1st September; for Nos. 8 and 9 not later than 29th August; and for No. 10 not later than 1st September.

For the *Denny*, the *Hutchesons' Educational Trust*, the *Pratt*, the *William Whyte*, the *Armagh*, and the *James Ferguson Bursaries*, also tenable by students of Medicine, see pp. 410, 427, 458, 468, 399, 412, respectively. For the *Andrew and Bethia Stewart Bursaries*, see p. 462; and for the *M'Cunn Research Scholarships* tenable by graduates, see p. 488.

## D.—FACULTY OF LAW.

1. *Andrew Cunninghame Bursary*, value about £37, tenable for one year, for proficiency in Scots Law. See p. 408.
2. *Andrew Cunninghame Bursary*, value about £37, tenable for one year, for proficiency in Conveyancing. See p. 408.
3. *Robert Macfarlane Bursary*, annual value about £33, for proficiency in Scots Law, tenable for one year. See p. 440.
4. *Robert Macfarlane Bursary*, annual value about £33, for proficiency in Conveyancing, tenable for one year. See p. 440.
5. *Robert W. Robertson Scholarship*, value about £30, for excellence in the examinations for the Degree of LL.B. See p. 492.

### ENTRY OF NAMES.

Candidates for Nos. 1, 2, 3, and 4, are required to give in their names to the Registrar not later than 1st March.

For the *Denny*, the *Hutchesons' Educational Trust*, the *Pratt*, the *William Whyte*, the *Armagh*, and the *James Ferguson Bursaries*, also tenable by students of Law, see pages 410, 427, 458, 468, 399, 412, respectively. For the *Andrew and Bethia Stewart Bursaries*, see p. 462.

## E.—FACULTY OF THEOLOGY.

1. *John Adam Bursary*, annual value £18, tenable for four years. Open to students of Theology of the first year.
2. *Hastie Bursary*, annual value £27, tenable for three years. Open to students of Theology of the first year who are Masters of Arts of any Scottish University, or who have passed all the examinations for graduation in Arts.
3. *Leighton Bursary*, annual value £18, tenable for three years. Apply to the Town Clerk, City Chambers, Glasgow, not later than 15th August.
4. *Logan Bursary*, annual value £16, tenable for three years. Open to students of Theology of the first year.
5. *Lorimer Bursary*, annual value £25, tenable for three years. Open to students entering the Divinity Hall.
6. *James Macfarlane Bursary*, annual value £35, tenable for three years. Open to students of Divinity of the first year who hold a degree in Arts of any Scottish University, or who have passed their examination in any four subjects taken out of at least two departments for graduation in Arts. Preference to the name Macfarlane.

7. *William Muir Divinity Bursary*, annual value £25, tenable for two years. Open to candidates who have passed the examination of the Examining Board for entrance to the Divinity Hall of the University. Apply to Mr. W. H. Macdonald, Hutchesons' Buildings, Ingram Street, Glasgow, not later than 25th September.

8, 9. *Two King William's Bursaries*, annual value £20, tenable for three years. Open to all students who are Masters of Arts, or who have passed all the examinations necessary for graduation in Arts, and who are entering on their first year of attendance on a course of study in the University for graduation in Divinity.

10. *The Jamieson Prize*, value about £10 sterling, for examination in the subjects of the second department for the degree of B.D. Open to students who shall complete the ordinary curriculum of Theological study in the University of Glasgow at the close of session 1916-17, or who shall have completed their course at the close of the session immediately preceding.

11. *The Findlater Scholarship Prize*, value about £38 sterling, for examination in the subjects of the first department for the degree of B.D. Open to students who shall complete the ordinary curriculum of Theological study in the University of Glasgow at the close of session 1916-17, or who shall have completed their course at the close of the session immediately preceding.

12. *The Macfarlan and Cook Testimonial Prize*, of £21, open to Theological students of three years' standing. Examination in Greek, Moral Philosophy, Hebrew, Church History, and Divinity.

13. *Dr. Andrew Miller Prize*. See p. 515.

14, 15. *Dowanhill Prizes*, one of £20, and the other of £10, for Elocution. Open to students of Divinity of the third year.

16. *Mackenzie Scholarship or Divinity Prize* of £25, for an Essay. See p. 515.

For the *Armagh* and the *James Ferguson Bursaries*, also tenable by students of Divinity, see pages 399 and 412.

#### DATES OF EXAMINATIONS.

The following is the time-table of examination for Bursaries Nos. 1 to 9 in the above list :

Latin,	Friday, 13th Oct., 1916,	9—10.30 a.m.
Greek,	Do. do.	10.30—12 noon.
English,	Do. do.	2—3.30 p.m.
History,	Do. do.	3.30—5 p.m.
Hebrew,	Do. do.	6—7.30 p.m.
Logic,	Saturday, 14th do.	9—10.30 a.m.
Moral Philosophy,	Do. do.	10.30—12 noon.
Mathematics,	Do. do.	2—3.30 p.m.
Natural Philosophy,	Do. do.	3.30—5 p.m.

The examination for No. 11 will take place on Wednesday, 11th October, and Thursday, 12th October, 1916, at 9 a.m. each day; and for No. 10, on Wednesday, 28th March, and Thursday, 29th March, 1917, at 9 a.m. each day.

## SUBJECTS OF EXAMINATION.

Candidates for Bursaries Nos. 1 to 9 inclusive may select any seven out of the nine subjects in the following list, but candidates for No. 1 must not in making their selection leave out any of the first six subjects :—

LATIN.—Horace *Ars Poetica*; Translation from English into Latin.

GREEK.—The Gospel according to Mark.

LOGIC.—Jevons, *Elementary Lessons in Logic*.

MORAL PHILOSOPHY.—Mackenzie's *Manual of Ethics*, 4th ed., pp. 1-290.

MATHEMATICS.—Euclid, Books I., II., III. Algebra to Quadratic Equations, inclusive.

NATURAL PHILOSOPHY.—C. G. Knott's *Physics*.

ENGLISH.—The Works of Tennyson. A short essay will be prescribed.

HEBREW.—Genesis, c. i.-xxxv.

HISTORY.—Robertson's *History of Charles V.*, omitting "View of the State of Europe."

The subjects of examination for the Prize No. 12 for Session 1916-17 are as follow :—

GREEK.—Euripides, *Medea*.

DIVINITY.—Doctrine of the Person of Christ, as in H. R. Mackintosh's *Person of Christ*.

HEBREW.—Isaiah xl.-l.

CHURCH HISTORY.—History of the Church of Scotland from 1660 to 1715.

MORAL PHILOSOPHY.—Sidgwick's *Outlines of the History of Ethics*.

## ENTRY OF NAMES.

Candidates for Nos. 1 to 9 inclusive and 11 are required to give in their names to the Registrar not later than 2nd October, 1916; for No. 10, not later than 2nd March, 1917; for the Prize No. 12 to the Professor of Divinity, not later than 1st October, 1916; and for the Prizes Nos. 14 and 15, to the Professor of Divinity, not later than 1st March, 1917.

## 5.—PATRONAGE BURSARIES, 1916-17.

## A.—FACULTY OF ARTS.

Appointments to the following Bursaries in the gift of Patrons, including bodies corporate and not corporate, fall to be made at or before the opening of session 1916-17. Candidates are required to present themselves for the Arts Preliminary Examinations, and for this purpose their names must be given in to the Registrar on or before 25th August.

*Ardkinglass Bursary*, see p. 399.

*Dundonald Bursary*, see page 411.

*Hamilton Bursary*, see page 423.

## B.—FACULTY OF MEDICINE.

*Brisbane Bursary*, see p. 404.

## C.—FACULTY OF THEOLOGY.

*Boyd and Sanders Bursary*, see p. 402.

*Dundonald Bursary*, see p. 411.

*Gilhagie and Struthers Bursary*, see p. 419.

*Hamilton Bursary*, see p. 423.

*N.B.*—For information regarding the Auld Bursary and the Sharp Bursary in the gift of the Presbytery of Perth for students preparing for the ministry of the Church of Scotland, apply to the Clerk of the Presbytery of Perth.

OTHER VACANT BURSARIES (see paragraphs in alphabetical order, p. 398 onward).

**Reprinted for purposes of reference only. Students who intend to take part in the Bursaries Competition of June, 1917, are advised to make application early in April for a copy of the Regulations and List of Bursaries open to competition.**

## 6.—BURSARIES COMPETITION, JUNE, 1916.

SUMMARY OF REGULATIONS AND LIST OF  
BURSARIES OPEN TO COMPETITION.

## I.—SUMMARY OF REGULATIONS.

1. The subjects of Examination for the Open Bursaries in Arts and Science shall be :

**A. English ; History** (*British and chief episodes of European*).

**B. Latin ; Greek ; French ; German ; Celtic.**

**C. Mathematics ; Natural Philosophy** (*any two of the following four to be taken: (1) Dynamics, (2) Heat, (3) Electricity, (4) Optics ; Botany (flowering plants) ; Geography (similar to that required for the Higher Grade Leaving Certificate) ; Chemistry (the chemistry of the elements oxygen, hydrogen, nitrogen, carbon, chlorine, and sulphur, and the compounds which oxygen and hydrogen form with each other and with the other elements mentioned. In the case of carbon the compounds with hydrogen required are—marsh gas, olefiant gas, and acetylene. The general principles involved).*

Each candidate may select any four subjects, under the condition that at least one subject is taken from Group B and at least one subject from Group C.

The same rule shall apply to Bursaries which are not awarded by open competition.

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2. The maximum marks assigned to each subject shall be the same.
3. In each subject the Examination shall be conducted by means of special papers.
4. As a condition of appointment to any Bursary a candidate must pass the Preliminary Examination at a date not later than the October next subsequent to the Bursary Examination, or present a certificate of his having passed an examination accepted by the University as equivalent.

It is strongly recommended that prospective candidates should secure a full pass in the Preliminary Examination (or Leaving Certificate or other recognised equivalent) before presenting themselves for the Bursaries Competition.

5. No student who has during any term or period of the academical year attended in any Scottish University any class qualifying in his case for graduation in Arts or Science shall be eligible to compete for Bursaries of the first year in Arts or Science.

#### EXAMINATION TIME-TABLE.

Date.	Subject.	Hours.
Mon., 12 June,	English,	10 a.m.-12.30 p.m. and 2-4.30 p.m.
Tu., 13 "	Mathematics,	" "
Wed., 14 "	Latin,	" "
Th., 15 "	French,	" "
Fri., 16 "	History,	" "
Mon., 19 "	Geography,	" "
Tu., 20 "	Greek,	" "
Wed., 21 "	Dynamics,	10 a.m.-12.30 p.m.
	Heat,	2-4.30 p.m.
Th., 22 "	Electricity,	10 a.m.-12.30 p.m.
	Optics,	2-4.30 p.m.
Fri., 23 "	Chemistry,	10 a.m.-12.30 p.m. and 2-4.30 p.m.
Mon., 26 "	German,	" "
Tu., 27 "	Celtic,	" "
Wed., 28 "	Botany,	10 a.m.-12.30 p.m.
	" (Practical),	2-4.30 p.m.

#### ENTRY OF NAMES.

All candidates are required to enter their names not earlier than Monday, 1st May, and not later than Monday, 15th May. Entry Forms may be obtained from the Registrar, The University. Women candidates obtain their forms from, and return them to, the Mistress, Queen Margaret College.



Reprinted for purposes of reference only. Students who intend to take part in the Bursaries Competition of June, 1917, are advised to make application early in April for a copy of the Regulations and List of Bursaries open to competition.

In connection with a number of the Bursaries in the following list, candidates are requested to note that they must also make application to the person or persons named before the date stated under the heading of the particular Bursary.

## II.—LIST OF BURSARIES OPEN TO COMPETITION.

*Open Bursaries are marked \*. Bursaries for which women may compete equally with men are marked (W).*

### A.—FACULTY OF ARTS.

FOR STUDENTS ENTERING THE FIRST SESSION IN ARTS.

#### I. FOR SPECIAL DISTINCTION IN PARTICULAR SUBJECTS.

The Bursaries for special distinction are limited to Students of the first year who have passed the Arts Preliminary, and who have not gained a Bursary for general excellence.

1. (W) *Forfar Bursary*, for special distinction in Classics (Latin and Greek), annual value £38, tenable for four years.

2. *Black Bursary*, for special distinction in Mathematics, annual value £22, tenable for four years.

3. (W) *Buchanan Bursary*, for special distinction in Dynamics, annual value £14, tenable for three years.

4. (W) *Foundation Bursary*, for special distinction in English, annual value £20, tenable for four years.

5. (W) *John Clark (Mile-End) Bursary*, for special distinction in French, annual value £30, tenable for four years, for Protestant students, sons or daughters of Protestant parents.

6. (W) *John Clark (Mile-End) Bursary*, for special distinction in German, annual value £30, tenable for four years, for Protestant students, sons or daughters of Protestant parents.

#### II. FOR GENERAL EXCELLENCE.

7. (W) *Barbour (Kilbarchan) Bursary*, annual value £25, tenable for three years, open only to candidates not exceeding 18 years of age from Kilbarchan Public School.

8. *Biggart Memorial Bursary*, annual value £25, tenable for four years, for students preparing for the Ministry of the United Free Church.

9. \**Blackquarry Bursary*, annual value £14, tenable for four years—open.

10. (W) \**Campbell Bursary*, annual value £10, tenable for three or four years—open.

11, 12, 13, 14. (W) *Four John Clark (Mile-End) Bursaries*, annual value £30 each, tenable for four years, for Protestant students, sons or daughters of Protestant parents.

**Reprinted for purposes of reference only. Students who intend to take part in the Bursaries Competition of June, 1917, are advised to make application early in April for a copy of the Regulations and List of Bursaries open to competition.**

15. (W) *Archibald Craig Bursary*, annual value £9, tenable for two years, for students who are natives of Eaglesham or Mearns, or who for two consecutive years have attended school in either of these parishes.

16. (W) *\*Crawfurd and Brown Bursary*, annual value £19 13s. 4d., tenable for four years—open.

17. (W) *Denny Bursary*, annual value £30, tenable for four years, for students from Dumbarton Burgh Academy. [Tenable in any Faculty.]

18. (W) *Forrester Bursary*, annual value about £20, tenable for three years, for natives of Lecropt or Dunblane Parish. Apply to A. B. Barty, LL.B., Writer, Dunblane, before 30th April.

19, 20. *Two Fullarton of Overton Bursaries*, annual value £22 each, tenable for two years, for students under 25 years of age, from the district of Cunninghame, in Ayrshire. Subjects for Examination—Latin, Mathematics, and English.

21. (W) *\*Gartmore Bursary*, annual value £22, tenable for three years—open.

22. (W) *\*General Council Bursary*, annual value £20, tenable for three years—open.

23, 24, 25, 26. (W) *Four Glasgow City Educational Endowments Bursaries*, annual value £25 each, tenable for four years, for students from public or State-aided schools in Glasgow. Apply to Mr. W. H. Macdonald, Hutchesons' Buildings, Ingram Street, Glasgow, before 30th April.

27. (W) *\*George Grant Bursary*, annual value £40, tenable for three or four years—open.

28. *Hannay Bursary*, annual value about £15, tenable for three years, for students preparing for the Ministry of any Evangelical Religious Denomination in Scotland. Apply to Mr. William Brodie, 77 St. Vincent Street, Glasgow, before 30th April.

29 (W) *Highland Society (Glasgow) Bursary*, annual value £20, tenable for three years, for students of Highland descent. Apply to Mr. Hugh Brown, C.A., 58 St. Vincent Street, Glasgow, before 30th April. [Candidates for the Highland Society Bursaries are at liberty to take Celtic as a fifth subject of examination, but they are required to state when entering their names at the University on which 4 of their 5 subjects they stand.]

30. (W) *Hill Bursary*, annual value £20, tenable for three years, for students from public or State-aided schools under Govan School Board. Apply to Mr. Richard D. Donaldson, 155 Bath Street, Glasgow, before 30th April.

31, 32, 33, 34, 35. *Five Hutchesons' Educational Trust Bursaries*, annual value £20 each, tenable for four years, for students who have attended for at least two years immediately preceding the competition and completed the curriculum in the secondary department of Hutchesons' Grammar School. Apply to Mr. W. H. Macdonald, Hutchesons' Buildings, Ingram Street, Glasgow, before 30th April.

**Reprinted for purposes of reference only. Students who intend to take part in the Bursaries Competition of June, 1917, are advised to make application early in April for a copy of the Regulations and List of Bursaries open to competition.**

36, 37. (W) *Two James Laing Bursaries*, annual value £25 each, tenable for four years, for students of either sex who have been educated for at least three years in a school or schools in Stirlingshire. Apply to Messrs. A. & J. Jenkins, Solicitors, 80 Port Street, Stirling, before 30th April.

38. *James Lochhead Bursary*, annual value £17, tenable for three years. Preference to students of the name Lochhead whose parents are members of the Established Church of Scotland.

39. *Lochhead and Mitchell Bursary*, annual value £34, tenable for four years. Preference to students of the name Mitchell or Lochhead whose parents are members of the Established Church of Scotland.

40, 41. *Two M'Crie Bursaries*, annual value £25 each, tenable for four years. For qualifications of candidates see p. 437. Apply to the Town Clerk of Ayr before 30th April.

42. (W) *Manderson Bursary*, annual value £15, tenable for three years, for students of either sex who are natives of the Lower Ward of Renfrewshire, or have been educated for three years in a school therein.

43, 44, 45, 46, 47. (W) *Five Marshall Trust Bursaries*, annual value £30 each, tenable for four years, for students of either sex from public or State-aided schools in Lanarkshire or Stirlingshire. Apply to Mr. William Bunting, 134 Wellington Street, Glasgow, before 30th April.

48. *Patrick Bursary*, annual value £32, tenable for four years, for students from Renfrewshire. [Candidates for this bursary should apply to the Registrar, The University, for a printed form of certificate.]

49. *Pollock Bursary*, annual value £38, tenable for three years. Preference to candidates educated in Paisley. [Candidates for this bursary should apply to the Registrar, The University, for a printed form of certificate.]

50, 51. (W) *Two Pratt Bursaries*, annual value £20 each, tenable for four years, for students from the parishes of Wiston, Roberton, or Lamington. Apply to Messrs. Fyfe, MacLean & Co., 115 St. Vincent Street, Glasgow, before 30th April. [Tenable in any Faculty.]

52. *Ramsay Walker Bursary*, annual value £15, tenable for four years, for students preparing for the Ministry of the Church of Scotland. Preference to kin of Founder; whom failing, to students named Walker; whom failing, to natives of Glasgow.

53. (W) \**Sir Walter Scott Bursary*, annual value £25, tenable for four years—open.

54. *Smith Bursary*, annual value £18, tenable for four years. Apply to Mr. William Brodie, 77 St. Vincent Street, Glasgow, before 23rd April. [Tenable in any Faculty.]

55. *Stevenson of Dalry Bursary*, annual value £33, tenable for four years, for students preparing for the Ministry of the Church of Scotland. Preference to natives of Dalry in Ayrshire; whom failing, to natives of Bannockburn or St. Ninians in Stirlingshire.

**Reprinted for purposes of reference only. Students who intend to take part in the Bursaries Competition of June, 1917, are advised to make application early in April for a copy of the Regulations and List of Bursaries open to competition.**

56. (W)\* *Stewart Bursary*, annual value £15, tenable for four years—open.

57. *Wedderburn Ogilvy Bursary*, annual value £30, tenable for three years, open to young men connected with the Parish of Persie in the County of Perth, or the Parish of Kilry in the County of Forfar, by birth, residence, or education—the period of connection required under either of the two last-mentioned qualifications being not less than two years. [Tenable also in Science or Medicine.]

58. *Wedderburn Ogilvy Bursary*, for proficiency in Latin and Greek, annual value £30, tenable for three years, open to young men connected with any Parish in the County of Perth by birth, residence, or education—the period of connection required under either of the two last mentioned qualifications being not less than two years. The bursar to study for the M.A. Degree under conditions stated in p. 466.

59. *William Whyte Bursary*, annual value £25, tenable for four years, open to students who have attended and completed the curriculum in the secondary department of Hutchesons' Grammar School. Apply to Messrs. Hill & Hoggan, 15 West George Street, Glasgow, before 30th April. [Tenable also in Law or Medicine.]

60. *Williams Bursary*, annual value £40, tenable for three years, for youths of South Britain who shall be designed for the Ministry. For particulars see p. 469. Apply to the Secretary, Dr. Williams's Library, Gordon Square, London, W.C., before 30th April.

61. *Major Young's Fund Bursary*, annual value £26, tenable for six years. The bursar to study for a degree in Law.

#### FOR STUDENTS ENTERING THE SECOND SESSION IN ARTS.

Nos. 10, 19, 20, 36, 37, 53, 55, in the preceding list.

62. (W) \**Park General Council*, annual value £20, tenable for two years—open.

63. (W) *Lorimer Bursary*, annual value £25, tenable for three years. Examination in Mathematics.

#### FOR STUDENTS IN ARTS WITHOUT RESTRICTION TO A PARTICULAR SESSION.

64. *Monteith Bursary*, annual value about £15, tenable for three years. Open only to natives of Scotland and sons of Scottish parents. Women students are not eligible. Examination in German.

#### B.—FACULTY OF SCIENCE.

65. (W) *Lorimer Bursary in Mathematics*—see No. 63 under Faculty of Arts.

**Reprinted for purposes of reference only. Students who intend to take part in the Bursaries Competition of June, 1917, are advised to make application early in April for a copy of the Regulations and List of Bursaries open to competition.**

66. *Strang Bursary*, annual value £20, tenable for three years. Open to students of Engineering Science.

\* \* Candidates for the bursary numbered 66 are required to select their examination subjects in accordance with the rule applicable to Arts Bursaries.

### C.—FACULTY OF MEDICINE.

Section XIII. of University Court Ordinance No. XXVII. is as follows:

Bursaries open for competition to students entering on their first session of attendance in the Faculty of Medicine shall be tenable only by those students who have passed the Preliminary Examination in Medicine, or who have been exempted therefrom in accordance with the provisions of the Regulations for Degrees in Medicine, and who have not attended any class qualifying for graduation in Medicine: Provided always that the last-mentioned condition shall not be held to exclude a Candidate who may have attended the class of Physics, Chemistry, Botany, or Zoology, otherwise than as part of a graduation course in Medicine.

\* \* The provisions of the foregoing section do not exclude from the competition for any of the bursaries in the subjoined list a student who enters on his medical curriculum at the beginning of Summer Session, 1916.

The subjects of examination for the bursaries numbered 67, 68, 69, 70, are as follow: 1, English; 2, Latin; 3, Mathematics; 4, Greek or French or German.

67. (W) *Highland Society (Glasgow) Bursary*, annual value £25, tenable for five years, for students of Highland descent. Apply to Mr. Hugh Brown, C.A., 58 St. Vincent Street, Glasgow, before 30th April. [Candidates for the Highland Society Bursaries are at liberty to take Celtic as a *fifth* subject of examination, but they are required to state when entering their names at the University on which 4 of their 5 subjects they stand.]

68. (W) *Logan Bursary*, annual value £16, tenable for four years—open to first year students.

69. *Marshall Bursary*, annual value £17, tenable for four years, open to students entering on their medical curriculum, with a preference to the name Marshall.

70. *Merchants' House Bursary*, annual value £25, tenable for four years, open to students entering on the first winter session of their medical curriculum. Apply to the Clerk of the Merchants' House, Glasgow, before 30th April.

71, 72. (W) *Two James A. Paterson Bursaries*, annual value £25 and £20 respectively, tenable for four years. Open to students entering on their first or second session of medical study. Examination in Mathematics and Dynamics.

**Reprinted for purposes of reference only. Students who intend to take part in the Bursaries Competition of June, 1917, are advised to make application early in April for a copy of the Regulations and List of Bursaries open to competition.**

#### D.—FACULTY OF LAW.

73. *Major Young's Fund Bursary*, annual value £26, tenable for six years. See No. 61 under Faculty of Arts.

74. *Walkinshaw Young Bursary*, annual value £18, tenable for two years, for students in the Faculty of Law.

\* \* Candidates for the bursaries numbered 73, 74, are required to select their examination subjects in accordance with the rule applicable to Arts Bursaries.

*N.B.*—Certain bursaries named above under the heading "Faculty of Arts" are tenable also in other Faculties. To such bursaries appropriate notes have been added.

#### 7.—SUBJECTS OF UNIVERSITY PRIZE ESSAYS.

##### FOR SESSION 1916-1917.

1. In Mental Philosophy, the UNIVERSITY SILVER MEDAL, for the best essay on "Is the State a Moral Agent?" All students of the Classes of Logic, Moral Philosophy, or English Literature, in Session 1915-16 or 1916-17, may be competitors.

2. THE EWING GOLD MEDAL, for the Best Essay on "Henry Dundas, first Viscount Melville." All Matriculated Students of the University in Session 1916-17 may be Competitors.

3. A COULTER PRIZE OF FIVE POUNDS, for the best essay on "Christian Mysticism."

4. A COULTER PRIZE OF FIVE POUNDS, for the best Essay on "The Hellespont in the 5th Century B.C."

For the Coulter Prizes all matriculated students of the University in Session 1916-17 may be competitors.

5. The HENDERSON PRIZE OF TWENTY GUINEAS, for the best essay on "The Jewish Sabbath in the period of the Mishna." All matriculated students of the University in Session 1916-17, and all Masters of Arts who graduated in November, 1911, or thereafter, may be competitors.

6. The DR. ANDREW MILLER PRIZE of the value of about £5 in books, for the best essay on "The Relation between Theology and Experience." All students of Divinity in the University who intend the Ministry of the Church of Scotland and who were matriculated in Session 1915-16 may be competitors. Essays to be given in to the Clerk of Senate not later than 2nd October, 1916.

7. THE DOBBIE-SMITH GOLD MEDAL, for the best description and illustration of the external characters, structure, development and processes of reproduction, with drawings and specimens, of any one of the following plants, viz.: the common mustard, the sycamore, and barley.

All matriculated students of Session 1916-17 may be competitors. Essays to be given in to the Principal on or before 1st December, 1916.

The essays, with the exceptions noted above (Nos. 6 and 7), must be given in to the Principal on or before Monday, 30th October, 1916, after which day none can be received. Each must be distinguished by two mottoes, and accompanied by a sealed letter bearing on the outside the same mottoes, and containing a declaration subscribed by the author that the essay is entirely of his own composition. All quotations in the essays must be carefully marked, and accurate references to their respective authorities given in the notes. The Senate reserves the power of withholding the prize for any subject, if none of the essays on that subject reaches a sufficiently high standard of merit.

#### GARTMORE GOLD MEDAL IN SESSION 1917-18.

The subject for the essay in the competition for the Gartmore Gold Medal, open to matriculated students in Session 1917-18, will be : "The Development of Political Liberty as illustrated by the growth of self-government in the British Colonies."

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## XI.—HONOURS LIST.

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### NAMES OF GRADUATES WITH HONOURS SINCE THE YEAR 1827.

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#### DOCTORS OF LETTERS (D. Litt.).

- 1907. Patrick Henderson Aitken, M.A., B.D., B.Sc.
- 1909. Stanley Horsfall Turner, M.A.
- 1910. Janet Spens, M.A.
- 1911. Nicol Macnicol, M.A.
- „ James Moffatt, M.A., B.D., D.D.
- 1912. Archibald Main, M.A.
- 1915. John Lyle Morison, M.A.

#### DOCTORS OF PHILOSOPHY (D.Phil.).

- 1895. Robert Mark Wenley, M.A.
- 1896. William Smart, M.A., LL.D.
- „ Wellstood Alexander Watt, M.A., LL.B.
- 1897. William Sharp M'Kechnie, M.A., LL.B.
- 1904. Robert Alexander Duff, M.A.
- 1911. William Boyd, M.A., B.Sc.
- 1912. Robert Alexander Cameron Macmillan, M.A.
- 1914. Leonard James Russell, M.A., B.Sc.
- 1915. Hugh Adam Reyburn, M.A.
- 1916. Gabriel Hercules Malan, M.A.

#### BACHELORS OF ARTS (B.A.).

1827-1861. See *University Calendar*, 1911-12.

## MASTERS OF ARTS (M.A.).

1827-1910. See *University Calendar*, 1911-1912.

Under (a) Ordinances No. 11, Sections xi.-xv.; No. 44, Sections vi., viii.; No. 148, Sections ii., iii.; No. 160, Sections i.-iii.; No. 168, Section i. (1889); (b) University Court Ordinance No. XXIII., Sections xiii.-xvi. (1908).

		First Class.	Second Class.	Third Class.
1911	James Boswell Hutton, . . .	Classics.		
"	Robina Suttie M. Turnbull, . . .	English.		
"	Robert Thomson Clark, . . .	. . . . .	Classics.	
"	Jeannie Sutherland, . . .	. . . . .	Classics.	
"	Barbara P. Macfarlane, . . .	. . . . .	English.	
"	Marion Stewart Orr, . . .	. . . . .	Mod. Lang.	
"	William Flint, . . .	. . . . .	. . . . .	M.&N.P.
"	David Ferguson Watson, . . .	. . . . .	. . . . .	M.&N.P.
"	John Wm. Saunders, . . .	. . . . .	Ment. Phil.	
"	Annie Marion Conway, . . .	Classics.		
"	William Anderson, . . .	Ment. Phil.		
"	Matthew Walker Robieson, . . .	Ment. Phil.		
"	John Brown (Govan), . . .	Math. & Nat. Phil.		
"	Herbert Le May, . . .	Math. & Nat. Phil.		
"	John Logie, . . .	Math. & Nat. Phil.		
"	Alexander M'Crorie, . . .	Math. & Nat. Phil.		
"	Arthur Stanley Morrison, . . .	Math. & Nat. Phil.		
"	Mary Marwick, . . .	English.		
"	Andrew Browning, . . .	History.		
"	James Kellock, . . .	Economics.		
"	<sup>1</sup> David Dick Anderson, . . .	Modern Languages.		
"	Catherine Morison M'Kinnon, . . .	Modern Languages.		
"	Annie Thom Riddell, . . .	Modern Languages.		
"	Mary Thomson, . . .	Modern Languages.		
"	Thomas Arthur Cleghorn, . . .	. . . . .	Classics.	
"	Robert Lindsay, . . .	. . . . .	Classics.	
"	Frances Margaret Martin, . . .	. . . . .	Classics.	
"	Alexander Johnstone Tait, . . .	. . . . .	Classics.	
"	David Campbell, . . .	. . . . .	Math. & N.P.	
"	John Grieve Henderson King, . . .	. . . . .	Math. & N.P.	
"	James Kirkland, . . .	. . . . .	Math. & N.P.	
"	Catherine M'Laren Robertson, . . .	. . . . .	Math. & N.P.	
"	James Hamilton Ross, . . .	. . . . .	Math. & N.P.	
"	Constance Allington, . . .	. . . . .	English.	
"	John Ellis, . . .	. . . . .	English.	
"	<sup>2</sup> William Kerr, . . .	. . . . .	English.	
"	James Murray M'Donald, . . .	. . . . .	English.	
"	Andrew Low Macgregor Mackenzie	. . . . .	English.	
"	<sup>2</sup> John M'Gibbon Short, . . .	. . . . .	English.	

<sup>1</sup> Took the Ordinary Degree in June, 1910.<sup>2</sup> Took the Ordinary Degree in June, 1909.



		First Class.	Second Class.	Third Class.
1911	Margaret Sutherland Battersby,	. . . . .	Mod. Lang.	
"	James Cameron Boyd,	. . . . .	Mod. Lang.	
"	Eba Crichton,	. . . . .	Mod. Lang.	
"	John MacLachlan Williamson,	. . . . .	. . . . .	Classics.
"	Robert Hamilton Dick,	. . . . .	. . . . .	M.&N.P.
"	Jean Birkmyre Trench,	. . . . .	. . . . .	M.&N.P.
"	Sebastian Greig Monteith Ure, B.Sc.,	. . . . .	. . . . .	M.&N.P.
"	Janet Thomson Harvie,	. . . . .	. . . . .	English.
"	Janie Farquharson Hughes,	. . . . .	. . . . .	English.
"	<sup>1</sup> Elizabeth Leitch MacLulich,	. . . . .	. . . . .	English.
"	Isabella Davidson,	. . . . .	. . . . .	M. Lan.
1912	George Alexander Johnston,	{ Classics.		
"	John Stewart Mitchell, B.Sc.,	{ Ment. Phil.		
"	William Ross Cunningham,	Ment. Phil.	Math.&N.P.	
"	Eleanor Janet Morrison Donaldson	Classics.		
"	Charles de Bois Murray,	Classics.		
"	Alexander Hastie Bodin,	Ment. Phil.		
"	<sup>2</sup> Alexander Ferguson,	Ment. Phil.		
"	David Innes Byers,	Math. & Nat. Phil.		
"	James Forrest,	Math. & Nat. Phil.		
"	Alexander Gray,	Math. & Nat. Phil.		
"	George M'Geachie Logan,	Math. & Nat. Phil.		
"	Charles Clark Mylles,	Math. & Nat. Phil.		
"	William Peebles,	Math. & Nat. Phil.		
"	Duncan Campbell Mactavish,	English.		
"	<sup>3</sup> William Lindsay Renwick,	English.		
"	James Hume Adams,	Modern Languages.		
"	Janet Fullarton Boyd,	Modern Languages.		
"	Louise Emilie Thomson,	Modern Languages.		
"	Eliza Battiscombe Cosh,	Germanic Language	Fr. & Ger. <sup>5</sup>	
"	Robert Stevenson,	Semitic Languages.		
"	<sup>4</sup> William Dunkeld Robieson,	History.		
"	Gladstone Lothian Rosebery Small	. . . . .	{ English.	
"	Gavin Lawson,	. . . . .	{ Ment. Phil.	
"	<sup>3</sup> Donald Macleod,	. . . . .	Classics.	
"	Gertrude Mary Milligan,	. . . . .	Classics.	
"	James Stewart Weir,	. . . . .	Classics.	
"	John Munro Garlick,	. . . . .	Ment. Phil.	
"	James Condra Hamilton,	. . . . .	Ment. Phil.	
"	George Howarth Haydock,	. . . . .	Ment. Phil.	
"	Robert Gilmour,	. . . . .	Math.&N.P.	
"	William Hadden Gordon,	. . . . .	Math.&N.P.	
"	Donald Kerr,	. . . . .	Math.&N.P.	
"	John Hubert Sammon,	. . . . .	Math.&N.P.	
"	Thomas Bryson Waddell,	. . . . .	Math.&N.P.	
"	James White,	. . . . .	{ Math.&N.P.	
			{ Classics. <sup>5</sup>	

<sup>1</sup> Took the Ordinary Degree in June, 1909. <sup>2</sup> Took the Ordinary Degree in June, 1911.Took the Ordinary Degree in June, 1910. <sup>4</sup> Took the Ordinary Degree in November, 1911.<sup>5</sup> Postgraduate Honours in October, 1913.

		First Class.	Second Class.	Third Class.
1912	Neil Young Wilson, . . . .	. . . . .	Math. & N.P.	
"	<sup>1</sup> Agnes Borthwick, . . . .	. . . . .	English.	
"	<sup>2</sup> Samuel Wyness Hutcheon, . . . .	. . . . .	English.	
"	<sup>3</sup> Robert M'Ewan, . . . .	. . . . .	English.	
"	Geo. Alex. Cheyne MacKinlay, . . . .	. . . . .	English.	
"	<sup>4</sup> Robert M'Donald Walker, . . . .	. . . . .	English.	
"	Frances Morton Davidson, . . . .	. . . . .	History.	
"	William Dewar, . . . .	. . . . .	History.	
"	<sup>1</sup> Charles Taylor Fyfe, . . . .	. . . . .	History.	
"	<sup>3</sup> Kate Dalrymple Ramsay, . . . .	. . . . .	History.	
"	Evelyn Moya Hope Rennie, . . . .	. . . . .	History.	
"	Annie Ida Sutherland Strachan, . . . .	. . . . .	Germ. Lang.	
"	May Elizabeth Duncan, . . . .	. . . . .	. . . . .	Classics.
"	John Hamilton, . . . .	. . . . .	. . . . .	Classics.
"	Beatrice Hay M'Ainsh, . . . .	. . . . .	. . . . .	Classics.
"	William Compton Hume Neill, . . . .	. . . . .	. . . . .	Classics.
"	Hercules Doig Soutter, . . . .	. . . . .	. . . . .	Classics.
"	Wilfrid Lawson Marsh, . . . .	. . . . .	. . . . .	M. Phil.
"	John William Fairbairn, . . . .	. . . . .	. . . . .	M. & N.P.
"	David Hutton, . . . .	. . . . .	. . . . .	M. & N.P.
"	Jessie M'Connell, . . . .	. . . . .	. . . . .	M. & N.P.
"	Robert Page Arnot, . . . .	. . . . .	. . . . .	English.
"	George Buchanan Smith, . . . .	. . . . .	. . . . .	History.
1913	Graham Brymner Jardine, . . . .	Classics.		
"	Andrew M'Cracken, . . . .	Classics.		
"	Joseph Francis Scanlan, . . . .	Classics.		
"	Charles Cochrane, B.Sc., . . . .	. . . . .	Math. & N.P.	
"	Francis Campbell Ross Douglas, . . . .	. . . . .	Math. & N.P.	
"	David M'Queen, . . . .	. . . . .	. . . . .	Classics.
"	Samuel Grasse, . . . .	. . . . .	. . . . .	M. & Ast.
"	Kenneth Hayens, . . . .	Germanic Language.		
"	Janet Eunice Copeland, . . . .	. . . . .	Fr. & Ger.	
"	Thomas Jack, . . . .	{ Logic & Moral Phil. { Economic Science.		
"	David George Ramsay, . . . .	Math. & Nat. Phil.	Classics.	
"	Dugald M'Callum Stewart Duff, . . . .	Classics.		
"	Raibeart MacIntyre MacDougall, . . . .	Classics.		
"	Patrick M'Glynn, . . . .	Classics.		
"	Thomas Houston Boyle, . . . .	Logic & Moral Phil.		
"	John Adam Hunter, . . . .	Logic & Moral Phil.		
"	John Young Thomson Greig, . . . .	Mor. Phil. & Eng. Lit.		
"	James Crawford, . . . .	Math. & Nat. Phil.		
"	Nelson Downie, . . . .	Math. & Nat. Phil.		
"	Gavin Morton Hood, . . . .	Math. & Nat. Phil.		
"	John Kirk, . . . .	Math. & Nat. Phil.		
"	Mary Campbell M'Coll, . . . .	Math. & Nat. Phil.		
"	John Wilson Baird, . . . .	English.		
"	Christina Dalrymple Aitken, . . . .	French & German.		
"	William Amour, . . . .	French & German.		
"	Margaret Elizabeth Buchanan, . . . .	French & German.		

<sup>1</sup> Took the Ordinary Degree in Nov., 1910.<sup>2</sup> Took the Ordinary Degree in November, 1907.<sup>3</sup> Took the Ordinary Degree in June, 1911.<sup>4</sup> Took the Ordinary Degree in April, 1908.

		First Class.	Second Class.	Third Class.
1913	Isabella Nicoll Muir, . . . . .	French & German.		
"	Ronald Maxwell Macandrew, . . . . .	. . . . .	Classics.	
"	John Muir, . . . . .	. . . . .	Classics.	
"	James Crawford Robertson, . . . . .	. . . . .	Classics.	
"	Agnes Gardner Dennistoun, . . . . .	. . . . .	Econ. Sc.	
"	George Wilson Blair, . . . . .	. . . . .	Math.&N.P.	
"	Dev Datt, B.Sc., . . . . .	. . . . .	Math.&N.P.	
"	Ronald M'Curdie, . . . . .	. . . . .	Math.&N.P.	
"	Charles George Macdowall, . . . . .	. . . . .	Math.&N.P.	
"	James Munro, . . . . .	. . . . .	Math.&N.P.	
"	Cameron Roberts, . . . . .	. . . . .	Math.&N.P.	
"	Mary Ann Adam Dickson White, . . . . .	. . . . .	Math.&N.P.	
"	Margaret Reid Richmond, . . . . .	. . . . .	English.	
"	Elizabeth Watson Smith, . . . . .	. . . . .	English.	
"	Janet Lomax, . . . . .	. . . . .	Latin & Fr.	
"	Jessie Wilson Carson, . . . . .	. . . . .	Fr. & Ger.	
"	Ellie M'Naught Fisher, . . . . .	. . . . .	Fr. & Ger.	
"	Mary Kerr Macmillan, . . . . .	. . . . .	Fr. & Ger.	
"	Rachel Paul Reid, . . . . .	. . . . .	Fr. & Ger.	
"	Jessie Bennett M'Innes, . . . . .	. . . . .	Germ. Lang.	
"	Emily Alice Davidson, . . . . .	. . . . .	History.	
"	Bertha Murray, . . . . .	. . . . .	History.	
"	Gertrude Mary Riordan, . . . . .	. . . . .	History.	
"	Kathleen Walsh, . . . . .	. . . . .	History.	
"	John James M'Guire, . . . . .	. . . . .	. . . . .	Classics.
"	Marjory Elizabeth Grant, . . . . .	. . . . .	. . . . .	English.
"	Alexander Campbell, . . . . .	. . . . .	. . . . .	M.&N.P.
"	William Allan Laird, . . . . .	. . . . .	. . . . .	M.&N.P.
"	John Noble, . . . . .	. . . . .	. . . . .	M.&N.P.
"	John Dickson Robertson, . . . . .	. . . . .	. . . . .	M.&N.P.
"	Archibald Sutherland Strachan, . . . . .	. . . . .	. . . . .	M.&N.P.
"	<sup>1</sup> Duncan Anderson, . . . . .	. . . . .	English.	
"	<sup>1</sup> James Gibson, . . . . .	. . . . .	Fr. & Ger.	
"	<sup>2</sup> Malcolm Macleod, . . . . .	. . . . .	. . . . .	M.P. & Eng.Lit.
"	<sup>2</sup> Sidney M'Nab, . . . . .	. . . . .	. . . . .	English.
"	<sup>2</sup> Francis William Stuart Teggart, . . . . .	. . . . .	M.P. & E.L.	
"	<sup>1</sup> Ann Canton Thomson, . . . . .	. . . . .	History.	
"	<sup>3</sup> Jean Bremner Whitson, . . . . .	History.		
1914	Arthur Lang, . . . . .	Classics.		
"	John Macmurray, . . . . .	Classics.		
"	Cecilia Brockie, . . . . .	French & German.		
"	Isabella Taylor Macnair, . . . . .	Germ. Lang.		
"	Robert Fletcher, . . . . .	Classics.		
"	Ethel Mary McAdam, . . . . .	Classics.		
"	Robert M'Laren, . . . . .	Classics.		
"	May Margaret Buchanan, . . . . .	Latin and French.		
"	Jean Clark Mackenzie, . . . . .	French & German.		
"	Jane Patricia Robertson, . . . . .	French & German.		
"	Edith Hill Wilson, . . . . .	French & German.		

<sup>1</sup>Took the Ordinary Degree in June, 1910. <sup>2</sup>Took the Ordinary Degree in November, 1911.<sup>3</sup>Took the Ordinary Degree in June, 1911.

		First Class.	Second Class.	Third Class.
1914	Fredrica Barrie, . . . .	French & Italian.		
"	Susan Fassifern Mitchell, . . .	French & Italian.		
"	Henry Crow, . . . .	English.		
"	John Macleod, . . . .	Logic & Moral Phil.		
"	James Sutherland Thomson, . . .	Logic & Moral Phil.		
"	Alexander White, . . . .	Logic & Moral Phil.		
"	Isabel Frances Moncreiff Stewart,	Mor. Phil. & Eng. Lit.		
"	James Harvey Filshie, . . . .	Math. & Nat. Phil.		
"	Andrew Martin, . . . .	Math. & Nat. Phil.		
"	William Thomson, B.Sc., . . .	Math. & Nat. Phil.		
"	Agnes Kirkpatrick Anderson,	. . . .	Classics.	
"	Walter Russell Campbell, . . .	. . . .	Classics.	
"	John Price Gready, . . . .	. . . .	Classics.	
"	Thomas Duncan Mackenzie, . . .	. . . .	Classics.	
"	George Manson Nicol, . . . .	. . . .	Classics.	
"	Martha Hope Primrose, . . . .	. . . .	Classics.	
"	Mary Graham, . . . .	. . . .	Latin & Fr.	
"	Janet Russell, . . . .	. . . .	Latin & Fr.	
"	Olive Margaret Sneddon Watson,	. . . .	Latin & Fr.	
"	Jeanette Helen Macfarlane, . . .	. . . .	Fr. & Ger.	
"	Catherine Nicolson, . . . .	. . . .	Fr. & Ger.	
"	John Phemister, . . . .	. . . .	Fr. & Ger.	
"	Lizzie Wilson, . . . .	. . . .	Lat. & Ital. <sup>1</sup>	
"	Claire Robertson, . . . .	. . . .	Fr. & Ger.	
"	Alexander Banks, . . . .	. . . .	Fr. & Ital.	
"	James Cameron Blue, . . . .	. . . .	English.	
"	Helena Jessie Bowie, . . . .	. . . .	English.	
"	Aubrey Fair Boyd, . . . .	. . . .	English.	
"	Jane Ellis Ferguson, . . . .	. . . .	English.	
"	James M'Laren, . . . .	. . . .	English.	
"	Ethel Margaret MacOnochie, . . .	. . . .	English.	
"	William Moore, . . . .	. . . .	English.	
"	James Nicol, . . . .	. . . .	English.	
"	Georgina Duncan Williamson Scott,	. . . .	English.	
"	John Sneddon, . . . .	. . . .	English.	
"	Catherine Mary Walker, . . . .	. . . .	English.	
"	Thomas Wright, . . . .	. . . .	English.	
"	Mary Vera Nash, . . . .	. . . .	Germ. Lang.	
"	George Matthewson Dryburgh, . . .	. . . .	Log. & M.P.	
"	William Morgan Robertson Rusk,	. . . .	Log. & M.P.	
"	Archibald Fullarton Boag, . . . .	. . . .	Mor. Phil. & Eng. Lit.	
"	Robert M'Millan, . . . .	. . . .	Pol. Econ. & Log.	
"	James Anderson, . . . .	. . . .	Math.&N.P.	
"	Frederick Francis Smith Bryson,	. . . .	Math.&N.P.	
"	M.A.(Ed.), B.Sc., . . . .	. . . .	Math.&N.P.	
"	Walter Dick, . . . .	. . . .	Math.&N.P.	
"	Elizabeth Ferguson Hutchison Donald,	. . . .	Math.&N.P.	
"	Harold George Hill, . . . .	. . . .	Math.&N.P.	
"	James M'Farlane, . . . .	. . . .	Math.&N.P.	

<sup>1</sup> Postgraduate Honours in October, 1915.

		First Class.	Second Class	Third Class.
914	Roderick Winton Maclean, . . . . .	. . . . .	Math.&N.P.	
"	James Guthrie Paul, . . . . .	. . . . .	Math.&N.P.	
"	Esther Allison Stitt, . . . . .	. . . . .	Math.&N.P.	
"	Elsa Christina Neilson Gilmour, . . . . .	. . . . .	History.	
"	Marion Wilson Lindsay, . . . . .	. . . . .	History.	
"	Agnes Mary Robb, . . . . .	. . . . .	History.	
"	Helen Adam, . . . . .	. . . . .	. . . . .	English.
"	Edith Josephine Donnelly, . . . . .	. . . . .	. . . . .	English.
"	Jane Fleming, . . . . .	. . . . .	. . . . .	English.
"	Brigid Teresa Josephine Hayes, . . . . .	. . . . .	. . . . .	English.
"	Catherine Prentice Highet, . . . . .	. . . . .	. . . . .	English.
"	Walter Hart MacGregor, . . . . .	. . . . .	. . . . .	English.
"	David Caldwell, . . . . .	. . . . .	. . . . .	M.&N.P.
"	Campbell Ballantyne Ferguson, . . . . .	. . . . .	. . . . .	M.&N.P.
"	Mary Harrington, . . . . .	. . . . .	. . . . .	M.&N.P.
"	John Telfer, . . . . .	. . . . .	. . . . .	M.&N.P.
"	Susan Hope Lucas, . . . . .	. . . . .	. . . . .	History.
"	Elizabeth Taylor Watt, . . . . .	. . . . .	. . . . .	History.
"	<sup>1</sup> John Falconer, . . . . .	English.		
"	<sup>2</sup> Margaret Romanes Fergus, . . . . .	Germ. Language.		
"	<sup>3</sup> William Dalziel M'Leod Williamson, . . . . .	. . . . .	Classics.	
"	<sup>4</sup> James Taylor Wilson, . . . . .	. . . . .	Classics.	
"	<sup>5</sup> William Miller M'Innes, . . . . .	. . . . .	Latin & Fr.	
"	<sup>3</sup> Joseph Henderson Milligan, . . . . .	. . . . .	Fr. & Ger.	
"	<sup>2</sup> Edward Williams, . . . . .	. . . . .	English.	
"	<sup>3</sup> Peter Campbell Stephen, . . . . .	. . . . .	P.Econ.&Hist.	
"	<sup>4</sup> Alexander John Montgomery, . . . . .	. . . . .	History.	
015	John Lawrie Lumsden Niven, . . . . .	. . . . .	Classics.	
"	Alexander Macbeath, . . . . .	(Logic & Moral Phil. & Economics. <sup>6</sup> )		
"	Selbie MacNeill Campbell, . . . . .	Classics.		
"	Andrew Gibb Fleming, . . . . .	Classics.		
"	John Anderson Muir, . . . . .	Classics.		
"	Mia Mackintosh Gray Waddell, . . . . .	Classics.		
"	Lilias Taylor, . . . . .	Latin & French.		
"	Suzanne Helène Bidgrain, . . . . .	French & German.		
"	Janet Kennedy Gartshore, . . . . .	French & German.		
"	Agnes Jack M'Canee, . . . . .	French & German.		
"	Grace Hair Laidlaw, . . . . .	French & Italian.		
"	John Ramsay Allardyce Nicoll, . . . . .	English.		
"	Peter Robertson Purdie, . . . . .	English.		
"	Florence Chisholm Skinnider, . . . . .	English.		
"	William Arthur, . . . . .	Math. & Nat. Phil.		
"	John Thomas Brown, . . . . .	Math. & Nat. Phil.		
"	Margaret Clark, . . . . .	Math. & Nat. Phil.		
"	Margaret Kirkham Martin, . . . . .	Math. & Nat. Phil.		
"	James Phemister, . . . . .	Math. & Nat. Phil.		
"	Agnes Stewart Ramsay, . . . . .	Math. & Nat. Phil.		
"	Ellen Hill, . . . . .	. . . . .	Classics.	
"	Agnes Hudson Lamb, . . . . .	. . . . .	Classics.	

<sup>1</sup> Took the Ordinary Degree in April, 1908. <sup>2</sup> Took the Ordinary Degree in June, 1912.<sup>3</sup> Took the Ordinary Degree in June, 1913. <sup>4</sup> Took the Ordinary Degree in November, 1913.<sup>5</sup> Took the Ordinary Degree in June, 1914.<sup>6</sup> Was awarded Unclassed Honours in Economics while at munitions.

		First Class.	Second Class.	Third Class.
1915	George Lambert, . . . . .	. . . . .	Classics.	
"	William Alexander Cuthbert	. . . . .		
"	M'Connell, . . . . .	. . . . .	Classics.	
"	Charles John Paterson, . . . . .	. . . . .	Classics.	
"	Robert Wilson Porter, . . . . .	. . . . .	Classics.	
"	Lilias Scott Craig Begg, . . . . .	. . . . .	Latin & Fr.	
"	Elizabeth Aird Galloway, . . . . .	. . . . .	Fr. & Ger.	
"	Elsie May Kelly, . . . . .	. . . . .	Fr. & Ger.	
"	Alice MacDougall, . . . . .	. . . . .	Fr. & Ger.	
"	William Alexander M'Innes, . . . . .	. . . . .	Fr. & Ital.	
"	Alison Farie Anderson, . . . . .	. . . . .	English.	
"	Janet Currie Baillie, . . . . .	. . . . .	English.	
"	James Barclay, . . . . .	. . . . .	English.	
"	Mary Findlay Kerr, . . . . .	. . . . .	English.	
"	Robina Sibbald Lindsay, . . . . .	. . . . .	English.	
"	Matthew Macqueen, . . . . .	. . . . .	English.	
"	Catherine Russell Meiklejohn, . . . . .	. . . . .	English.	
"	Mary Rhys, . . . . .	. . . . .	English.	
"	Walter M'Callum Clow, . . . . .	. . . . .	M. P. & E. L.	
"	William Allan, . . . . .	. . . . .	Math. & N. P.	
"	Robert Black, . . . . .	. . . . .	Math. & N. P.	
"	Alfred Saunders Hill, . . . . .	. . . . .	Math. & N. P.	
"	Mariam MacDougall, B.Sc., . . . . .	. . . . .	Math. & N. P.	
"	Elizabeth Turner Mackay, . . . . .	. . . . .	Math. & N. P.	
"	Archibald Rae, . . . . .	. . . . .	Math. & N. P.	
"	Helen Neilson Stephen, . . . . .	. . . . .	Math. & N. P.	
"	Jenny Chalmers Riddick, . . . . .	. . . . .		Classics
"	Jessie Stewart Auld Fraser, . . . . .	. . . . .		Lat. & Fr.
"	Robert Knox, . . . . .	. . . . .		English
"	Catherine Henderson Macintyre, . . . . .	. . . . .		English
"	Kathleen Storey, . . . . .	. . . . .		English
"	William Brodie Erskine, . . . . .	. . . . .		M. & N. P.
"	Charles Allen Lee, . . . . .	. . . . .		M. & N. P.
"	Kenneth Mackay, B.Sc., . . . . .	. . . . .		M. & N. P.
"	Robert Sneddon Smellie, . . . . .	. . . . .		M. & N. P.
"	<sup>1</sup> Archibald Morton Paterson, . . . . .	Logic & Moral Phil.		
"	<sup>2</sup> James Robson, . . . . .	Hebrew & Arabic.		
"	<sup>1</sup> Mary Orr Baird, . . . . .	. . . . .	Latin & Fr.	
"	<sup>3</sup> Susan Fraser M'Nally, . . . . .	. . . . .	Latin & Fr.	
"	<sup>4</sup> Helen Alexander M'Gregor, . . . . .	. . . . .	Fr. & Ger.	
"	<sup>5</sup> Mary Mitchell Brown, . . . . .	. . . . .	English.	
"	<sup>6</sup> David Craik, . . . . .	. . . . .	English.	
"	<sup>4</sup> William Heron, . . . . .	. . . . .	English.	
"	<sup>7</sup> James Cockburn Williamson, . . . . .	. . . . .	English.	
"	<sup>4</sup> William Gilmour M'Lintock, . . . . .	. . . . .	M. & N. P.	
"	<sup>4</sup> Edith Margaret John, . . . . .	. . . . .		F. & Ge

<sup>1</sup> Took the Ordinary Degree in June, 1913.<sup>2</sup> Took the Ordinary Degree in June, 1912.<sup>3</sup> Took the Ordinary Degree in April, 1915.<sup>4</sup> Took the Ordinary Degree in June, 1914.<sup>5</sup> Took the Ordinary Degree in Nov., 1911.<sup>6</sup> Took the Ordinary Degree in Nov., 1901.<sup>7</sup> Took the Ordinary Degree in June, 1910.

1915

- „ Alexander Gentle Robb (*on military service*)—With Honours in Classics.  
 „ William Rollo (*on military service*)—With Honours in Classics.  
 „ Foster Franklin (*on military service*)—With Honours in History.  
 „ Ferdinand Frederick Allin (*munitions*)—With Honours in Classics.  
 „ Allan Barr (*on military service*)—With Honours in Classics.  
 „ Daniel Blades (*munitions*)—With Honours in Classics.  
 „ John Dempster (*munitions*)—With Honours in Classics.  
 „ James Nogid Schon Field (*munitions*)—With Honours in Classics.  
 „ Walter Schon Field (*munitions*)—With Honours in Classics.  
 „ Alfred Bryan (*on military service*)—With Honours in English.  
 „ John Henry Gilmour (*on military service*)—With Honours in English.  
 „ David Hepburn Knox (*on military service*)—With Honours in English.  
 „ Allan Cameron M'Dougall (*munitions*)—With Honours in English.  
 „ Alexander M'Intyre (*munitions*)—With Honours in English.  
 „ Norman MacLeod (*on military service*)—With Honours in English.  
 „ George Charles Smith (*on military service*)—With Honours in Logic & M.Ph.  
 „ Thomas Black Duncan (*on military service*)—With Honours in Math. & N.Ph.  
 1916 Archibald William Murray (*on military service*)—With Honours in Classics.  
 „ Charles Norman Matheson Ramsay (*on military service*)—With Honours in  
 Logic & M. Ph.

## DOCTORS OF SCIENCE (D.Sc.).

1890-1910 see *University Calendar* 1915-1916.

- 1911 Robert John Tainsh Bell, M.A., B.Sc.  
 „ William Jackson Crawford, B.Sc.  
 „ Robert Thomson Leiper, M.B., Ch.B.  
 „ Janie Hamilton M'Ilroy, M.A., M.B., Ch.B., B.Sc.  
 „ Andrew M'Millan, M.A., B.Sc.  
 „ Thomas Stewart Patterson, D.Sc.(Lond.), Ph.D.  
 „ Alexander David Ross, M.A., B.Sc.(Lond.).  
 1912 Leonard Findlay, M.D., Ch.B.  
 „ David Robertson, B.Sc.  
 „ George Duncan Campbell Stokes, M.A., B.Sc.  
 „ Washington Lee Capps, B.Sc.  
 „ Richard Morgan Watt, B.Sc.  
 „ Thomas Orr, B.Sc.(Public Health), M.B., Ch.B., M.D.  
 1913 Williamina Abel, M.D., Ch.B.(Aberdeen).  
 „ George Henry Edington, M.D., C.M.  
 „ James Alexander Russell Henderson, B.Sc.  
 „ Alexander Smith Russell, M.A., B.Sc.  
 1914 Margaret Barr Moir, M.A., B.Sc.  
 „ Frederick Mort, M.A., B.Sc.  
 „ Maggie Millen Jeffs Sutherland, B.Sc.  
 „ Charles Stuart Douglas, B.Sc.  
 1915 Robert Chapman Davie, M.A., B.Sc.  
 „ Bernard Parker Haigh, B.Sc.  
 „ David Gladstone Taylor, M.A.  
 „ John Ferguson Tinto, M.A., B.Sc.  
 „ Archibald Armitage Jubb, B.Sc. (Public Health), M.B., Ch.B., M.D.  
 „ Peter Lindsay Sutherland, B.Sc. (Public Health), M.B., Ch.B.  
 1916 Alexander Fleck, B.Sc.  
 „ Thomas Bonner Morley, B.Sc.

## BACHELORS OF SCIENCE (B.Sc.).

1879-1896 (Old Regulations). See *University Calendar*, 1911-12.

## IN PURE SCIENCE.

Ordinance No. 12, Section ix. (1889).

	1898-1909. See <i>University Calendar</i> , 1911-12.	Subjects of Final Examination.			
1910	John Finlay Macdonald, M.A.,	*Chemist.	*Geology.	Botany.	
"	John Boyd Orr, M.A.,	Anat.	Physiol.	Zoology.	
"	Caleb Andrew Stewart, M.A.,	*Math.	*Nat. Phil.	*Astron.	
"	John Ferguson Tinto, M.A.,	*Math.	*Nat. Phil.	Astron.	
"	James Calvert Wilson,	Geology.	*Zoology.	Botany.	
"	John Stewart Mitchell,	Math.	Nat. Phil.	Astron.	
"	Harriet Evelyn Allison,	Geology.	Zoology.	Botany.	
"	Richard Archibald Barlow,	Anat.	*Physiol.	Zoology.	
"	Walter Elliot Elliot,	Chemist.	Physiol.	Zoology.	
"	John Graham,	Math.	Nat. Phil.	Astron.	
"	Malcolm Littlejohn,	Math.	Nat. Phil.	Chemist.	
"	Janet Gilmour M'Gown, M.A.,	Math.	Nat. Phil.	Astron.	
"	William Laird M'Kinlay,	Math.	Nat. Phil.	Astron.	
"	James M'Nabb, M.A.,	Math.	Nat. Phil.	Chemist.	
"	Thomas Middleton,	Math.	Nat. Phil.	*Astron.	
"	Janet Ritchie,	Math.	Nat. Phil.	Chemist.	
"	John Selfridge, M.A.,	Math.	Nat. Phil.	Chemist.	
"	Alexander Benham Stich,	Chemist.	Geology.	Botany.	
"	James Mann Wordie,	*Geology.	Zoology.	Botany.	
1911	Ven Kiang Ting,	Astron.	Geology.	Zoology.	
"	Robert Pearson Black, M.A.,	*Math.	*Nat. Phil.	*Astron.	
"	Thomas Hirst Black, M.A.,	*Math.	*Nat. Phil.	*Astron.	
"	David Burns, M.A.,	Chemist.	Physiol.	Geology.	
"	Robert Campbell, M.A.,	Math.	Nat. Phil.	Chemist.	
"	William Nairn Cunningham,	Math.	Nat. Phil.	Chemist.	
"	M.A.,				
"	Alexander Fleck,	Math.	Chemist.	Geology.	
"	Henry Hamilton Green,	*Chemist.	Physiol.	Geology.	
"	William Marshall Smart, M.A.,	Math.	Nat. Phil.	*Astron.	Chemist.
"	Donald Cameron Smith, M.A.,	Math.	Nat. Phil.	*Astron.	
"	Edward James Alexander Stewart,	Chemist.	Zoology.	Botany.	
"	M.A.,				
"	London Arneil, M.A.,	Geology.	Math.	Chemist.	
"	Hugh Higgins, M.A.,	Math.	Nat. Phil.	Astron.	
"	Donald Patton, M.A.,	Geology.	Math.	Botany.	
"	Lucy Agnes Carter,	Zoology.	Geology.	Botany.	
"	Duncan Geddes Anderson,	Chemist.	Math.	Nat. Phil.	

\* The asterisks indicate Special Distinction in the subjects to which they are prefixed.



		Subjects of Final Examination.		
1911	John Brown (Govan); . . .	Math.	*Nat. Phil.	Astron.
"	David Campbell, . . .	Math.	Nat. Phil.	Astron.
"	William Leonard Cassells, . .	Physiol.	Anat.	Zoology.
"	Robert Cochran Gray, M.A., .	Nat. Phil.	Math.	Astron.
"	John Anderson Hodge, M.A., .	Math.	Nat. Phil.	Chemist.
"	Eleanor Heald Kelly, . . .	Physiol.	Chemist.	Zoology.
"	James Kirkland, . . .	Math.	Nat. Phil.	Chemist.
"	John Logie, . . .	Nat. Phil.	Math.	*Astron.
"	Matthew Morton Monie, M.A.,	Geology	Chemist.	Zoology.
"	Arthur Stanley Morrison, . .	*Math.	*Nat. Phil.	*Astron.
"	Richard Dunn Robertson, M.A.,	Chemist.	Geology.	Botany.
"	Alexander Scott, M.A., . .	Math.	Nat. Phil.	Chemist.
"	Robert Scott, M.A., . . .	Math.	Chemist.	Geology.
"	William Robert Smellie, M.A.,	*Geology.	Math.	Nat. Phil.
"	John M'Lean Thompson, M.A.,	Geology.	Zoology.	Botany.
"	Ralph Somerville Weir, M.A.,	Chemist.	Math.	Geology.
"	James Whyte, . . .	Math.	Nat. Phil.	*Geology.
1912	Muir Burns, . . .	Math.	Nat. Phil.	Astron.
"	Herbert Le May, M.A., . . .	Math.	Nat. Phil.	Chemist.
"	Bryce Kerr Nairn Wyllie, M.A.,	*Chemist.	Geology.	Botany.
"	Alex. Russell Brown, M.A., .	Nat. Phil.	Math.	Astron.
"	John Arnold Cranston, . . .	Chemist.	Math.	Nat. Phil.
"	William Collins Forsyth, . .	*Chemist.	Math.	Nat. Phil.
"	Dorothy Christina Patterson, .	Chemist.	Math.	Nat. Phil.
"	Douglas Kinchin Adams, M.A.,	Anat.	Zoology.	Geology.
"	Fred. Francis Smith Bryson, M.A.	Nat. Phil.	Math.	Chemist.
"	David Innes Byers, . . .	Math.	*Nat. Phil.	Astron.
"	Allan Dumbreck Fraser, M.A.,	Anat.	Zoology.	Physiol.
"	Alexander Gray, . . .	Math.	*Nat. Phil.	Chemist.
"	Thomas Ashley Heap, . . .	Math.	Nat. Phil.	Chemist.
"	James M'Gregor Hill, . . .	Chemist.	Math.	Nat. Phil.
"	Alexander M'Crorie, M.A., .	Math.	Nat. Phil.	Astron.
"	Ellen Gillan M'Ghee, . . .	Geology.	Chemist.	Botany.
"	John Armour M'Kerrow, M.A.,	Chemist.	Math.	Nat. Phil.
"	John M'Kinnon M'Neill, M.A.,	Math.	Nat. Phil.	Astron.
"	Charles Clark Mylles, . . .	Math.	*Nat. Phil.	*Astron.
"	William Thomson, . . .	Math.	Nat. Phil.	Chemist.
"	Thomas Bryson Waddell, . .	Math.	Nat. Phil.	Astron.
1913	Charles Cochran, . . .	Math.	Nat. Phil.	Chemist.
"	William Combe, . . .	Physiol.	Anat.	Zoology.
"	James Forrest, M.A., . . .	Math.	Nat. Phil.	*Astron.
"	Henry Hyman, . . .	*Chemist	Math.	Nat. Phil.
"	Donald Kerr, M.A., . . .	Math.	Nat. Phil.	Chemist.
"	Robert Macaulay, M.A., . .	Geology.	Math.	Nat. Phil.
"	Euphemia Welch Murchie, . .	Geology.	Nat. Phil.	Chemist.
"	Wm. Robertson Snodgrass, M.A.,	Physiol.	Zoology.	Anat.
"	William Galbraith, . . .	Chemist.	Math.	Nat. Phil.
"	James Young Hart, . . .	Geog.	Math.	Nat. Phil.
"	Eoin Leitch, . . .	Chemist.	Geology.	Math.
"	Wm. Wylie Stewart, M.A., .	Geology.	Chemist.	Math.

\*The asterisks indicate Special Distinction in the subjects to which they are prefixed.

<sup>1</sup> Post-graduation, Oct. 1913.

		Subjects of Final Examination.			
1913	William Fowler, M.A., . . . . .	Geology.	Botany.	Zoology.	
"	Walter Brown, M.A., B.Sc. (Eng.)	Math.	Nat. Phil.	Geology.	
"	Moses Wolfe Cantor, . . . . .	*Anat.	Physiol.	Zoology.	
"	James M'Cardle Fraser, . . . . .	Geology.	Math.	Chemist.	
"	Robert Stuart Gibson, . . . . .	*Anat.	Physiol.	Zoology.	
"	Robert Gilmour, M.A., . . . . .	Math.	Nat. Phil.	Astron.	
"	Samuel Grasse, M.A., . . . . .	Astron.	Math.	Nat. Phil.	
"	Ada Florence Remfry Hitchins, . . . . .	*Chemist.	Botany.	Geology.	
"	Norah Kelly, . . . . .	Botany.	Geology.	Zoology.	
"	Agnes Clark Kennedy, . . . . .	Math.	Nat. Phil.	Chemist.	
"	John Crawford Knox, . . . . .	*Physiol.	Anat.	Zoology.	
"	Renwick Hutson Leitch, M.A., } B.Sc. (Agric.), . . . . .	Geology.	Zoology.	Chemist.	
"	John Littlejohn, M.A., . . . . .	Math.	Nat. Phil.	Chemist.	
"	Rona Pinkerton M'Adam, . . . . .	Math.	Nat. Phil.	Chemist.	
"	Donald Neil M'Arthur, . . . . .	Chemist.	Math.	Nat. Phil.	
"	Duncan Fraser Macdonald, . . . . .	Physiol.	Anat.	Zoology.	
"	Mary M'Knight Macdonald, . . . . .	Botany.	Geology.	Zoology.	
"	Noah Morris, . . . . .	*Physiol.	Anat.	Zoology.	
"	Mathew Morton, . . . . .	Chemist.	Math.	Nat. Phil.	
"	Daniel Grant O'Brien, M.A., } B.Sc. (Agric.), . . . . .	Geology.	Zoology.	Chemist.	
"	James Herbert Paul, M.A., . . . . .	*Physiol.	Anat.	Zoology.	
"	John King Rennie, . . . . .	Physiol.	Anat.	Zoology.	
"	John Fraser Steven, M.A., . . . . .	Physiol.	Anat.	Geology.	(Chemist.
"	Alexander Stevens, M.A., . . . . .	*Geology.	Math.	Nat. Phil.	Zoology.
"	John Stirling, . . . . .	Physiol.	Anat.	Zoology.	
"	Samuel Whyte, . . . . .	Chemist.	Math.	Geology.	
"	Joseph Bannister Williamson, . . . . .	Physiol.	Anat.	Zoology.	
"	George Wilson Blair, . . . . .	Math.	*Astron.	Nat. Phil.	
"	Alexander Campbell, . . . . .	Nat. Phil.	Math.	Chemist.	
"	James Munro, . . . . .	Nat. Phil.	*Astron.	Math.	
"	John Noble, . . . . .	Nat. Phil.	Math.	Astron.	
"	Cameron Roberts, . . . . .	Math.	Nat. Phil.	Astron.	
"	John Dickson Robertson, . . . . .	Nat. Phil.	Math.	Astron.	
"	William Frederick Shanks, . . . . .	*Physiol.	Anat.	Chemist.	
1914	Vynne Borland, M.B., Ch.B., . . . . .	Physiol.	Anat.	Zoology.	
"	James Arthur Cochrane, . . . . .	Math.	Nat. Phil.	Chemist.	
"	Jessie Orr Hamilton, . . . . .	Chemist.	Geology.	Botany.	
"	Gavin Morton Hood, M.A., . . . . .	*Math.	*Nat. Phil.	Astron.	
"	John Kirk, M.A., . . . . .	Math.	*Nat. Phil.	Chemist.	
"	Kenneth Mackay, . . . . .	Math.	Nat. Phil.	Geology.	
"	Alexander M'Spadden, . . . . .	Chemist.	Math.	Nat. Phil.	
"	Frederick Powlett Rankin, . . . . .	Physiol.	Anat.	Zoology.	
"	Charles Winter Scott, . . . . .	*Geology.	Zoology.	Botany.	
"	Daniel Sutherland, M.A., . . . . .	Chemist.	Math.	Nat. Phil.	
"	John Bernard Wade, . . . . .	Chemist.	Math.	Botany.	
"	James Anderson, . . . . .	Math.	Nat. Phil.	Astron.	
"	Charles Averill M.A., M.B., } Ch.B., . . . . .	Physiol.	Anat.	Zoology.	
"	Patrick Brough, M.A., . . . . .	Geology.	Chemist.	Botany.	

\* The asterisks indicate Special Distinction in the subjects to which they are prefixed.

		Subjects of Final Examination.		
1914	Alexander Douglas Cameron, } M.A., . . . . . }	Math.	Nat. Phil.	Chemist.
"	Alexander John Copeland, . . . . .	Anat.	Physiol.	Zoology.
"	Walter Dick, . . . . .	Math.	Nat. Phil.	Astron.
"	William Donald Fraser, . . . . .	Chemist.	Math.	Geology.
"	John Vernon Harrison, M.A., . . . . .	*Chemist.	*Geology	Nat. Phil.
"	John Henderson, . . . . .	Chemist.	Math.	Nat. Phil.
"	Thomas Hunter, M.A., . . . . .	Geology.	Math.	Nat. Phil.
"	Mark Hurl, . . . . .	Chemist.	Math.	Geology.
"	Elizabeth Gentle Kennedy, . . . . .	Chemist.	Math.	Nat. Phil.
"	Arthur Gardner Lang, . . . . .	Geology.	Math.	Botany.
"	Thomas Arthur Letters, B.A., . . . . .	*Physiol.	*Anat.	Chemist.
"	Ernest Gunn Macintyre, . . . . .	Chemist.	Math.	Nat. Phil.
"	Roderick Winton Maclean, . . . . .	Math.	Nat. Phil.	Astron.
"	John M'Luckie, M.A., . . . . .	Botany.	Geology.	Chemist.
"	Ernest William Robertson, . . . . .	Math.	Nat. Phil.	Chemist.
"	John Smith, M.A., . . . . .	Physiol.	Anat.	Zoology.
"	Andrew Stewart, . . . . .	Chemist.	Math.	Nat. Phil.
"	Archibald Sutherland Strachan, } M.A., . . . . . }	Math.	Nat. Phil.	Geology.
"	Margaret Macdonald Telfer, . . . . .	Math.	Nat. Phil.	Geology.
"	Alexander Marshall Watters, } M.A., . . . . . }	Geology.	Math.	Nat. Phil.
1915	William Murdoch Cumming, . . . . .	Chemist.	Math.	Nat. Phil.
"	Agnes Lindsay Ireland Forrest, . . . . .	Botany.	Geology.	Zoology.
"	Robert Russell Hamilton, M.A., . . . . .	Chemist.	Math.	Nat. Phil.
"	Harold George Hill, M.A., . . . . .	Math.	Nat. Phil.	Astron.
"	Helen Hunter Leckie, . . . . .	Math.	Nat. Phil.	Chemist.
"	Andrew Martin, M.A., . . . . .	Math.	*Nat. Phil.	*Astron.
"	James Wright Martin, . . . . .	Chemist.	Geology.	Botany.
"	Robert Stevenson Morrison, . . . . .	Chemist.	Math.	Nat. Phil.
"	Annie Roberts Russell, . . . . .	Chemist.	Botany.	Geology.
"	Robert Scott, M.A., . . . . .	*Chemist.	Math.	Nat. Phil.
"	Janet Adam Wallace, . . . . .	Chemist.	Botany.	Geology.
"	William Allan, . . . . .	Math.	Nat. Phil.	Astron.
"	Robert Black, . . . . .	Math.	Nat. Phil.	*Astron.
"	William John Boyd, . . . . .	Chemist.	Botany.	Geology.
"	John Thomas Brown, . . . . .	*Math.	*Nat. Phil.	*Astron.
"	Mary Reid Crawford, . . . . .	Botany.	Zoology.	Geog.
"	Annie Elizabeth Davies, . . . . .	Math.	Nat. Phil.	Chemist.
"	Jeanie Douglas Drysdale, . . . . .	Math.	Nat. Phil.	Astron.
"	Edith Helen Glen, . . . . .	Botany.	Zoology.	Geog.
"	William Gray, . . . . .	Chemist.	Math.	Nat. Phil.
"	Annie Barbour Henderson, . . . . .	Geology.	Botany.	Chemist.
"	Alfred Saunders Hill, . . . . .	Math.	Nat. Phil.	Chemist.
"	William Slorach Kerr, M.A., . . . . .	Math.	Nat. Phil.	Astron.
"	Tsoo Hong Lee, . . . . .	Nat. Phil.	Math.	Chemist.
"	Colin M'Farlane Leitch, . . . . .	*Geology.	Math.	Nat. Phil.
"	Marian MacDougall, . . . . .	Math.	Nat. Phil.	Chemist.
"	William M'Hutchison, . . . . .	Chemist.	Math.	Nat. Phil.
"	John M'Pheely, . . . . .	Geog.	Chemist.	Nat. Phil.

\* The asterisks indicate Special Distinction in the subjects to which they are prefixed.

		Subjects of Final Examination.		
1915	Annette Graham Mann, . . .	Botany.	Zoology.	Geog.
"	Margaret Kirkham Martin, . .	*Math.	Nat. Phil.	Astron.
"	William Peebles, M.A., . . .	Math.	Nat. Phil.	*Astron.
"	James Phemister, . . .	*Math.	*Nat. Phil.	Chemist.
"	Thomas Rogers, . . .	Nat. Phil.	Math.	Chemist.
"	James Shankie, . . .	Chemist.	Math.	Geology.
"	Catherine Callan Simpson, . .	Botany.	Zoology.	Geog.
"	Campbell Stephen, B.D., . .	Math.	Nat. Phil.	Astron.
"	Jean Birkmyre Trench, M.A., .	*Geology.	Math.	Nat. Phil.
"	Chetai Yu, . . .	Geology.	Chemist.	Astron.
1916	Catherine Reid Beveridge, . .	Geology.	Botany.	Chemist.
"	Thomas Downie Hunter, M.A., .	Geology.	Botany.	Chemist.
"	Elizabeth MacDougall, . . .	*Chemist.	Botany.	Math.
"	Barbara Scott, . . .	Geology.	Botany.	Chemist.

\* The asterisks indicate Special Distinction in the subjects to which they are prefixed.

## IN ENGINEERING.

Ordinance No. 23, Section xiii. (1889).

The *Italics* denote Graduates on the Naval Architecture side.

The SMALL CAPITALS denote Graduates on the Mining side.

	1895-1910. See <i>University Calendar</i> , 1911-12.	<i>With Special Distinction in</i>
1911	William Anderson.	
"	Gilbert M'Caul Bell.	
"	<i>William Bennett.</i>	{ Natural Philosophy.
"	John Ballantyne Carswell.	{ Naval Architecture and Drawing.
"	<i>Chu Chang.</i>	
"	Gilbert Wildridge Clark,	Physical Laboratory.
"	John Conway.	
"	John Campbell Coutts.	
"	Hugh Fraser,	Natural Philosophy.
"	Harold Joseph Cruickshank Gerry.	
"	<i>Stanley Helme.</i>	
"	George Huntly Henderson.	
"	JOHN PALIN JONES.	
"	<i>Paul Kavli.</i>	
"	John Lawrence.	
"	Vincent Lowe.	
"	James Morison Macaulay,	{ Physical Laboratory.
"		{ Electrical Engineering I.
"	James M'Farlane.	{ Natural Philosophy.
"	Charles William Marshall,	{ Electricity—Pure and Applied.
"	<i>Frederick Lewis Mayer.</i>	{ Engineering I.
"	Alexander Simpson Milne.	
"	James Hislop Paton.	
"	<i>Sven Tyge Dons Petersen.</i>	
"	Abhoy Pado Roy.	
"	William Russell.	
"	Numa Joseph Sellier.	
"	Suruj Kumar Prasad Sinha.	
"	George Smith.	
"	Augustinus Henricus Petrus Maria Smulders.	
"	David Andrew Stewart.	
"	Andrew Edward Thomson.	
"	James Richmond Thomson.	{ Mining.
"	ALEXANDER MATTHEW WYLIE, A.G.T.C.	{ Metallurgy.
"	ALEXANDER CLUBB.	{ Metallurgical Laboratory.
"	<i>Leo Holmes Philomena Esdaile.</i>	
"	James Garvie.	
"	<i>John Ramsay Gebbie.</i>	
"	Frank Theodor Gerstenberg,	Chemistry.
"	Ernest Gower Guthrie.	
"	Iqbal Hussain.	
"	James Legge.	

		<i>With Special Distinction in</i>
1911	Duncan Whyte Low, A.G.T.C.	
"	William Macgregor.	
"	<i>Godfrey Niels Mygind.</i>	
"	Moharrem Sabet-Sidahmed.	
"	WEI TONG.	
"	Ernest Hazell Wilson, B.A.	
"	<i>Richard James Lockie Ward.</i>	
"	John Andrew Wilson, . . . .	Engineering I.
"	Young Wong.	
1912	Charles Coventry Anderson.	
"	CARNEGIE ANDREW, . . . .	Mining.
"	Behari Lal Beri.	
"	Colin William Burnley Campbell.	
"	Robert Colin Christison.	
"	<i>Mario Costantini.</i>	
"	DEBENDRA NATH DAS.	{ Mathematics.
"	James Gray Docherty, . . . .	{ Engineering and Drawing.
"	Surendra Nath Dutt.	{ Electrical Engineering I.
"	Herbert Geoffrey Edleston.	{ Electricity—Pure and Applied.
"	James Fulton.	
"	Sukhendra Nath Ghose.	
"	Abel Gray.	
"	Memet Soubhi Isaac.	
"	<i>George Johnson,</i> . . . .	Naval Architecture and Drawing.
"	John Kennedy, M.A.	
"	Nand Lall.	
"	Leslie Lacy Langley.	
"	<sup>1</sup> Malcolm Littlejohn, M.A., . . . .	Mathematics.
"	Alexander Love, . . . .	{ Geology.
"		{ Electrical Engineering I.
"	THOMAS LINDSAY M'BRIDE.	
"	Archibald Barr MacLean, M.A., . . . .	Mathematics.
"	George Douglas MacLellan.	
"	Narendra Kumar Mitra, . . . .	Natural Philosophy.
"	<i>Carl Andreas George Mörch.</i>	
"	James Marshall Morton.	
"	Colin Macdougall Pattison.	
"	Sheikh Abdul Qadir.	
"	<i>Arthur Temple Railton.</i>	
"	Hugh Reid, . . . .	Natural Philosophy.
"	John Leitch Rodger.	
"	<i>Carl Ludwig Theodor Roscher.</i>	
"	EDWARD PATERSON RUTHERFORD.	
"	Joseph Saverimuttu.	
"	JAMES SCOTT, . . . .	Mining.
"	Desh-hari Raghbir Singh.	
"	Edward Camden Smith.	
"	Baron George Steinheil.	
"	James Gemmell Stevenson.	
"	Walter Stich, . . . .	Electrical Engineering I.
"	William Ure, . . . .	Electricity—Pure and Applied.
"	Banarsi Lal Garr,	
"	Labhu Ram Mehra.	

<sup>1</sup> Graduated B.Sc.  $\Xi$  Pure Science, 1910.

		<i>With Special Distinction in</i>
912	BHABANI CHARAN BARAT, B.A. <i>Claude William Johnston Barker.</i>	
"	George Hamilton Beattie, . . . . .	Geology.
"	Surendra Singh Bhagat.	
"	Amar Nath Bhanu Bhaskar.	
"	William Burnside.	
"	James Jamieson Cargill.	
"	George Coutts,	{ Mathematics. Natural Philosophy. Geology.
"	Dev Datt, . . . . .	
"	John Lyon Ewan.	
"	David Hamilton.	
"	WILFRID LAWSON JONES.	
"	Walter Stirling Knox, A.G.T.C.	
"	Har Pratap Singh Kunwar, B.Sc.	
"	Donald Saunders Laurie.	
"	Herbert Henry Leys.	
"	William M'Farlane, . . . . .	Natural Philosophy.
"	<i>John M'Millan,</i> . . . . .	Naval Architecture and Drawing.
"	<i>Virgilio Piñero.</i>	
"	Fop Smit.	
"	Gavin Charteris Towers Speirs.	
"	George Arthur Stevenson.	
"	Wai Tsen Wang.	
"	John Russell Warren.	
913	Sheikh Fateh Ahmed.	
"	Dharam Chand Ahuja.	
"	Amarnath.	
"	ANDREW RAMSAY BAIN, . . . . .	Mining I, II, III, IV.
"	Fanindra Nath Bose.	
"	George Linton Hall Brough.	
"	Cyril Lawson Cole.	
"	John Alexander Dawson, . . . . .	{ Chemistry. Geology.
"	Kali Churun De.	
"	John Ure Devine.	
"	Gordon Duncan Dewar.	
"	<i>George Graves Dobie.</i>	
"	Wilfrid Eben Pinkerton Duncan, . . . . .	Geology.
"	Douglas Donald MacAlister Eastwood.	
"	<i>David Leslie Colwyn Evans.</i>	
"	Arthur Nelson Forman.	{ Natural Philosophy. Physical Laboratory. Engineering and Drawing. Electrical Engineering I.
"	Ian Garvie, . . . . .	
"	<i>Edward Hunter.</i>	
"	Hung Yue Kao.	
"	Norman Coutie Lowson.	
"	Markandeya Mahanti.	
"	John Hunt Marshall.	
"	James Gordon Melvin.	
"	Gerard Dawson Milne.	
"	Nawalkishore Lall Nandkeolyar.	
"	Amar Nath.	
"	Mostafa Radwan Nosrat.	
"	<i>John Dansken Purdie.</i>	
"	<i>Erik Ringsted,</i> . . . . .	Natural Philosophy.

		<i>With Special Distinction in</i>
1913	Julian Rogerson.	
"	Anne William Sanders.	
"	Jawand Singh.	
"	( <i>Augustinus Henricus Petrus Maria</i>	
"	( <i>Smulders, B.Sc.</i>	
"	<i>Thomas Edwin Sowden,</i> . . . .	{ Mathematics. Natural Philosophy. Physical Laboratory.
"	<i>William Walker.</i>	
"	David Weir, . . . . .	{ Engineering and Drawing. Electrical Engineering I. Electricity—Pure and Applied.
"	Andrew Victor Wilson.	
"	David Johnston Wood.	
"	Tuck Luen Young.	
"	David Raeside Ferguson, . . . .	{ Engineering and Drawing. Electricity—Pure and Applied.
"	Alfred Main, A.R.T.C.	
"	<i>Harold Lanfear Vallings.</i>	
"	SKIENE KANG HWANG.	
"	Shang Van Pan.	
"	Tse Fong Ting.	
"	Sze Shee Woo.	
"	Sze Yune Woo.	
"	Diwan Chand Bahri.	
"	Jotindra Nath Bhattacharjee.	
"	Christian Leslie Dyce Duckworth.	
"	Allan Ferrie.	
"	Satish Chandra Ghosh.	
"	Jadubans Lall.	
"	William Aitken Miller, . . . .	Physical Laboratory.
"	Alexander Michael Morrison, A.R.T.C.	
"	Sundar Dass Pahwa.	
"	John Cattell Robertson, . . . .	Physical Laboratory.
"	Arthur Cecil Sharpe.	
"	JOHN SIM, A.R.T.C.	
"	<i>John Henry Sowden,</i> . . . .	Physical Laboratory.
"	<i>George Stevenson.</i>	
"	George Andrew Wilson.	
"	Andrew Hepburn Syme Adams.	
1914	David Grant Anderson.	{ Physical Laboratory, Naval Archite- ture and Drawing, Engineering IV and Laboratory.
"	<i>John Angus,</i> . . . . .	{ Mathematics, Physical Laboratory Engineering and Drawing, En- gineering III.
"	John Barr, . . . . .	{ Mathematics, Natural Philosophy Engineering and Drawing, Ele- tricity—Pure and Applied, Electr- cal Engineering I.
"	Gilbert Alexander Murray Brown, .	
"	JAMES MACKENZIE BUCHANAN.	
"	James Ernest Carrick.	
"	Behari Lal Chopra, . . . . .	Chemistry.
"	George Cleghorn.	
"	<i>Cornelis Frans van der Poest Clement.</i>	
"	<i>William James Craig,</i> . . . .	Mathematics.



		<i>With Special Distinction in</i>
1914	Thomas Good Crum.	
"	Bhubanananda Dás	
"	Edward Davis.	
"	HERBERT RIDLEY DIXON, . . . .	{ Chemistry, Mining I., II., III., IV.,
"	George Hewitt Dundon.	{ Geology I., II.
"	Kishori Lall Garr.	
"	SYMINGTON MACDONALD, . . . .	Mining I., II., III.
"	Anant Ram Madán.	
"	William Morrison, . . . .	Mathematics.
"	<i>Henry Andrew Muter Napier.</i>	
"	Alexander Cecil Rankin.	
"	Robert Arthur Robertson.	
"	Mahabir Pershad Saxena.	
"	Dhanpat Rai Sethi.	
"	John Smith.	
"	Harald Dettloff Thomson, . . . .	{ Mathematics, Engineering and Draw-
"	<i>Rudolf von Trentini.</i>	{ ing, Electrical Engineering I.
"	Sheng-Zang Wang.	
"	Norman Fraser Buchanan Begg.	
"	<i>Morten Grindal.</i>	
"	John Morrison Hay.	
"	JOHN M'GLASHAN HURLL.	
"	Devendra Nath Joshi.	
"	James M'Allister, . . . .	Physical Laboratory.
"	John Anthony Martin.	{ Chemistry, Geology I. and II., Min-
"	ELIJAH MORRIS, A.R.T.C., . . . .	{ ing I., II., III., IV., Engineering
"	John Stevenson Lawson Oswald.	{ I., II., Engineering Drawing, En-
"	Robert Wilson Patterson.	{ gineering Laboratory, Electrical
"	William Watson.	{ Engineering I.
"	John Young.	
"	John Farquhar Young, . . . .	Chemistry.
1915	<i>William Henderson Carslaw.</i>	
"	Thomas Ballantyne Clerk, . . . .	Physical Laboratory.
"	John Collins, . . . .	Mathematics.
"	Birendra Nath Dey.	
"	Norman Kingsley Dickie.	
"	John Cossar Forsyth, . . . .	Engineering and Drawing.
"	JAMES M'CARDLE FRASER, B.Sc. (PURE).	
"	John Henderson.	
"	William George Jenkins.	
"	Mian Muhammad Khan.	
"	James M'Bryer.	
"	Alexander M'Corrie, M.A., B.Sc. (Pure),	Engineering III.
"	James M'Lagan.	
"	<i>James M'Fadyen M'Neill.</i>	
"	William Lindsay M'Pherson, . . . .	{ Chemistry.
"	James Alastair Martin.	{ Electricity—Pure and Applied.
"	Valentine Martin, . . . .	{ Mathematics.
"	John Ramsay Metcalfe.	{ Engineering and Drawing.
"	James Sinclair Rankin, . . . .	{ Mathematics.
"	Robert Sergius Robertson.	{ Engineering and Drawing.
"	Bomon Sanjana.	

		<i>With Special Distinction in</i>
1915	Samuel Service, . . . . .	{ Mathematics, Natural Philosophy, Chemistry, Engineering and Drawing, Electricity—Pure and Applied, Engineering and Drawing.
„	Francis John Shepherd, . . . . .	
„	Alexander Thom, . . . . .	
„	Eliza Vonck.	
„	John Roy Beveridge,	{ Natural Philosophy. Engineering and Drawing.
„	Nabakumar Bose.	
„	ROBERT MAIR CHALMERS.	
„	Kunjabehari De B.A.	
„	Frederick John de Souza.	
„	<i>Paulus Eide.</i>	
„	Yoshinobu Katsura.	
„	John Moyes Lessells.	
„	Harold Montgomery M'Cunn.	
„	Roy Gregor MacGibbon.	
„	Dugald Smith.	
„	ROBERT SMITH, . . . . .	Mining I., II., III., IV.
1916	<i>David Shallard Carment.</i>	
„	<i>Alexander Cleghorn.</i>	
„	Duncan MacColl.	
„	Robert Murray Milne.	
„	Bangsiddhari Paul.	
„	Abdul Rahim.	
„	Ghanta Venkata Rao.	
„	Jogendra Chandra Roy.	
„	Jehangir Nusserwanjee Setna.	
„	<i>Hans George Johan Helland Sommerfeldt.</i>	
„	Gunnarn Subbarao.	
„	Charles Philip Tanner, . . . . .	{ Mathematics, Natural Philosophy, Physical Laboratory, Engineering and Drawing.
„	Matthew Michael Waters.	
„	Hsi-Yu Yu, . . . . .	Mathematics.

## DOCTORS OF MEDICINE (M.D.)—HONOURS.

1845-1867 (Old Regulations). See *University Calendar*, 1911-12.

## DOCTORS OF MEDICINE (M.D.)

(Subsequent Regulations).

1876-1906. See *University Calendar*, 1911-12.

- 097 <sup>23</sup> Carl Hamilton Browning, M.B., Ch.B. Thesis, "Chemotherapy in Trypanosome-Infections: an Experimental Study."
- 097 <sup>23</sup> Robert May, M.B., Ch.B. Thesis, "Acute Rheumatism: enquiry into the action of Salicylic Acid and Allied Acids used in its Treatment."
- 097 <sup>1</sup> Francis James Charteris, M.B., Ch.B. Thesis, "Experiments on Phagocytosis in Vitro."
- 097 <sup>1</sup> Thomas Hunter, M.A., B.Sc., M.B., Ch.B. Thesis, "Leprosy: some Notes on its Causation, Symptoms, and Treatment, based on an experience of 152 Lepers in the Leper Jail of the United Provinces, India."
- 097 <sup>1</sup> John Muir Kelly, M.B., Ch.B. Thesis, "A Critical Study of Organic Preparations of Silver in the Treatment of Conjunctivitis."
- 097 <sup>1</sup> David James McLeish, M.A., B.Sc., M.B., Ch.B. Thesis, "Cerebro-Spinal Meningitis, with special reference to the Epidemic variety: a study of 32 cases seen in the Sick Children's Hospital, Glasgow."
- 098 <sup>23</sup> Alexander Stuart Murray Macgregor, M.B., Ch.B. Thesis, "Immunity-Phenomena in Cerebro-Spinal Meningitis."
- 098 <sup>23</sup> Thomas Orr, B.Sc., M.B., Ch.B. Thesis, "The Sources of Contamination of the Milk Supply."
- 098 <sup>1</sup> William Dow, M.B., Ch.B. Thesis, "Epidemic Cerebro-Spinal Meningitis, 1906-7: A Clinical Description, together with an Investigation into the Leucocytosis."
- 098 <sup>1</sup> William Rolland, M.B., Ch.B. Thesis, "Aneurysm of Hepatic Artery."
- 098 <sup>1</sup> George Goldie Smith, B.Sc., M.B., Ch.B. Thesis, "The Nature and More Immediate Effects of the Pus in Cerebro-Spinal Fever."
- 098 <sup>1</sup> John Williamson Smith, M.B., Ch.B. Thesis, "The Polymorpho-Nuclear Leucocytes in Suppurative conditions of the Middle Ear."
- 098 <sup>1</sup> William Norman West Watson, M.B., Ch.B. Thesis, "Some Observations on Haemalkalimetry in Malignant Disease."
- 099 <sup>23</sup> Andrew Connal, M.B., Ch.B. Thesis, "A Study of the Cerebro-Spinal Fluid, in the Infective Diseases of the Meninges, with special reference to Cerebro-Spinal Fever."
- 099 <sup>4</sup> John Martin Munro Kerr, M.B., C.M. Thesis, "Operative Midwifery."
- 099 <sup>1</sup> James Chalmers, M.B., C.M. Thesis, "Puerperal Eclampsia."
- 099 <sup>1</sup> Daniel Craig, M.B., C.M. Thesis, "Ankylostomum Dermatitis."
- 099 <sup>4</sup> George Munn Gray, M.B., Ch.B. Thesis, "On Monsters of the Symelian Type."
- 099 <sup>1</sup> Mary Baird Hannay, M.B., C.M. Thesis, "Observations—*post mortem*—upon the Sane and Insane."

<sup>1</sup> Commended for Thesis.<sup>3</sup> Gained a Bellahouston Gold Medal.<sup>2</sup> With Honours.<sup>4</sup> Highly Commended for Thesis.

- 1909 <sup>4</sup>George Frederick Buchan, M.B., Ch.B. Thesis, "Ice Cream and its Relation to Public Health."
- 1909 <sup>4</sup>Alexander M'Call, M.B., Ch.B. Thesis, "The Diago Reaction and Bacilluria in Enteric Fever."
- 1909 <sup>1</sup>Neilson Davie, M.B., Ch.B. Thesis, "On the Pathological Changes in the Blood Pressure in Senile and Mental Cases."
- 1909 <sup>1</sup>Cunison Charles Finlator, M.B., Ch.B. Thesis, "The Prophylaxis of Malaria in the Sudan."
- 1909 <sup>1</sup>Arnold Harris Gray, M.B., Ch.B. Thesis, "Individual Growth: A Physiological Study."
- 1909 <sup>1</sup>Daniel Ross Kilpatrick, M.B., Ch.B. Thesis, "Puerperal Eclampsia."
- 1910 <sup>4</sup>John Ronald Currie, M.A., M.B., Ch.B. Thesis, "Serum Anaphylaxis."
- 1910 <sup>23</sup>William Blair Morton Martin, M.B., Ch.B. Thesis, "Studies on the Gram-negative Cocci, with special reference to the Isolation and Differentiation of the Gonococcus, the Meningococcus and the Micrococcus Catarrhalis."
- 1910 <sup>4</sup>Thomas Adam, M.A., M.B., Ch.B. Thesis, "Life Table for Scotland (parts I, II, and III)."
- 1910 <sup>4</sup>Murray Ross Taylor, M.B., Ch.B. Thesis, "The Course of Protein Metabolism in Diabetes Mellitus and Phloridzin Diabetes."
- 1910 <sup>1</sup>James Montgomery Anderson, M.B., Ch.B. Thesis, "Phases of Immunity in Scarlet Fever."
- 1910 <sup>1</sup>William Hislop Manson, M.A., M.B., Ch.B. Thesis, "A Contribution to the Study of Congenital Syphilis."
- 1910 <sup>1</sup>William Struthers Moore, M.B., Ch.B. Thesis, "The Congenital Origin of the Sac in Inguinal Hernia."
- 1910 <sup>1</sup>James Stuart Nicolson, M.B., Ch.B. Thesis, "The Bacteriology of the Secondary Infection in open Tuberculous Lesions, with introduction to treatment by Bacterial Vaccines."
- 1910 <sup>1</sup>Charles James Ross, B.A., M.B., Ch.B. Thesis, "On the presence in blood sera of substances which have an activating or inhibitory effect on the haemolytic properties of cobra venom."
- 1911 <sup>23</sup>Hugh Morton, M.B., Ch.B. Thesis, "The Cerebro-Spinal Fluid in the Insane."
- 1911 <sup>235</sup>Peter Donald Strachan, M.A., M.B., Ch.B. Thesis, "Undulant or Malta Fever in South Africa."
- 1911 <sup>4</sup>David Sloan Harvey, M.B., Ch.B. Thesis, "The Bacteriology of the Typhoid Fevers in India, with special reference to the 'Carrier' question."
- 1911 <sup>1</sup>Donald Livingstone Carmichael, M.B., Ch.B. Thesis, "Infantile Hypertrophy of the Pylorus with Spasm causing Obstruction," or "Hypertrophic Pyloric Stenosis in Infancy."
- 1911 <sup>1</sup>William Gibson, M.B., Ch.B. Thesis, "The Correlation between Infantile Mortality and Social, Industrial and Climatic Conditions."
- 1911 <sup>1</sup>Thomas M'Cririck, M.A., B.Sc., M.B., Ch.B. Thesis, "The Streptococcus opsonic Index in Scarlatina, Erysipelas, and Puerperal Fever."
- 1911 <sup>1</sup>David MacDonald, M.B., Ch.B. Thesis, "Pigmentation of the hair and eye of children suffering from the Acute Fevers: its effect on susceptibility recuperative power, and race selection."

<sup>1</sup> Commended for Thesis.<sup>2</sup> With Honours.<sup>3</sup> Gained a Bellahouston Gold Medal.<sup>4</sup> Highly Commended for Thesis.<sup>5</sup> Gained a Straits Settlements Gold Medal.

- 1911 <sup>1</sup> Norman Smith MacNaughtan, M.B., Ch.B. Thesis, "A Clinical and Bacteriological Study of Vincent's Angina, with notes of cases."
- 1911 <sup>1</sup> Archibald Campbell Munro, M.B., Ch.B. Thesis, "Certain Pyrexias of Uncertain Origin."
- 1911 <sup>1</sup> John Reid, M.B., Ch.B. (1905). Thesis, "Rheumatoid Arthritis."
- 1911 <sup>1</sup> Alexander Robertson, M.B., C.M. Thesis, "Diseases of Gilbert Ellice Islands."
- 1911 <sup>1</sup> Charles Samson Thomson, M.B., Ch.B. Thesis, "The Medical Inspection of Schools and School Children, with special reference to the County of Cumberland."
- 1912 <sup>1</sup> Charles Aikman Gourlay, M.A., M.B., Ch.B. Thesis, "Observations on the Collection of Vital Statistics in the Province of Eastern Bengal and Assam."
- 1912 <sup>23</sup> John Shaw Dunn, M.A., M.B., Ch.B. Thesis, "The Oxydase of Myeloid Tissue and the use of the Oxydase Reaction in the Differentiation of Acute Leukaemias."
- 1912 <sup>23</sup> Walter Gilmour, M.B., Ch.B. Thesis, "The Wassermann Reaction in Theory and Practice."
- 1912 <sup>2</sup> William Cooper Gunn, M.B., Ch.B. Thesis, "The Variation in the amount of Complement present in the Blood in Acute Infectious Diseases, and its relation to the Clinical Features: with a short note upon the Serum Treatment of Cerebro-Spinal Meningitis."
- 1912 <sup>2</sup> Alexander Mills Kennedy, M.B., Ch.B. Thesis, "Cardiac Arrhythmia: a Contribution to its Pathology."
- 1912 <sup>23</sup> Ivy M'Kenzie, M.A., B.Sc., M.B., Ch.B. Thesis, "Cardiac Irregularity: a Study in the relation of Structure to Function."
- 1912 <sup>4</sup> Robert Tait Wells, M.A., M.B., Ch.B. Thesis, "Report on Dysentery in Hazaribagh Central Jail, India."
- 1912 <sup>1</sup> Harry Prescott Fairlie, M.B., Ch.B. Thesis, "A Comparison of the Relative Values of Chloroform and Ether in General Anaesthesia, with special reference to their influence on the Blood Pressure."
- 1912 <sup>1</sup> Alexander Tulloh Inglis Macdonald, M.B., Ch.B. Thesis, "The Treatment of Puerperal Infections, with special reference to the use of Autogenous Vaccines."
- 1912 <sup>1</sup> Thomas Marlin, M.B., Ch.B. Thesis, "Consecutive Leucocyte Counts in Pulmonary Tuberculosis, with Controls in other Diseases."
- 1912 <sup>1</sup> John Reid, M.B., Ch.B. (1899). Thesis, "That Acute Anterior Poliomyelitis is a specific infectious disease with a definite incubation period—with a report of an outbreak at Forth, Lanarkshire."
- 1912 <sup>1</sup> Daniel Stewart, M.B., Ch.B. Thesis, "Observations on Diphtheria, with special reference to Serum Treatment, Dosage, and After Effects."
- 1912 <sup>1</sup> Laurence Storey, M.B., Ch.B. Thesis, "Anthrax, with special reference to Diagnosis, Prognosis, and Treatment."
- 1912 <sup>1</sup> John Martin Taylor, M.B., Ch.B. Thesis, "The Blood Changes in Burns."
- 1913 <sup>2</sup> John Taylor, M.B., Ch.B. Thesis, "The Epidemiology of Plague in Madras Presidency, India."
- 1913 <sup>23</sup> John Cruickshank, M.B., Ch.B. Thesis, "The Chemistry and Biochemistry of Lecithin and other Lipoids."
- 1913 <sup>23</sup> Adam Patrick, M.A., M.B., Ch.B. Thesis, "The Agglutination Reactions of Typhoid Bacilli isolated from the body: with a discussion of Typhoid Bacilluria, and an account of certain Bacilli, hitherto undescribed, found in the Urine in Enteric Fever."

<sup>1</sup> Commended for Thesis.<sup>2</sup> With Honours.<sup>3</sup> Gained a Bellahouston Gold Medal.<sup>4</sup> Highly Commended for Thesis.

- 1913 <sup>23</sup> Hugh Ferguson Watson, M.B., Ch.B. Thesis, "Part I.—An investigation on the role of Syphilis in the causation of children's diseases, based on an examination of 1010 cases by clinical and serological methods. Part II.—Paroxysmal Haemoglobinuria in the light of the Wassermann Reaction, with some experiments on the properties of the autohaemolysin present in the serum. Part III.—Observations on the Activating Effect of the Blood Serum for Cobra Venom Haemolysin in various diseases."
- 1913 <sup>4</sup> Kate Fraser, B.Sc., M.B., Ch.B. Thesis, "Feeble-minded Children: An inquiry into Mental Deficiency in school children with special reference to Syphilis as a causative factor as determined by the Wassermann Reaction."
- 1913 <sup>4</sup> Balfour M'Kean, M.B., Ch.B. Thesis, "An Investigation into the clinical value of the enumeration of the Nuclei in the Neutrophile Polymorpho-Nuclear Leucocytes of the Blood."
- 1913 <sup>1</sup> John Parlanc Kinloch, M.B., Ch.B. Thesis, "The Excretion of Urinary Solids: A Chemical Study of Urine in the Nephritis of Scarlet Fever and Diphtheria."
- 1913 <sup>1</sup> Daniel M'Kinlay Reid, M.B., Ch.B. Thesis, "On the Bacteriology of Asylum Dysentery in England."
- 1913 <sup>1</sup> Gilbert Innes Strachan, M.B., Ch.B. Thesis, "Observations on Eclampsia."
- 1914 <sup>23</sup> George Herbert Clark, M.B., Ch.B. Thesis, "Chloroform: its Effects, immediate and remote—an experimental study."
- 1914 <sup>2</sup> Wm. MacAdam, M.A., B.Sc., M.B., Ch.B. Thesis, "Hepatic Insufficiency and Creatinuria in their relationship to Carbohydrate Metabolism—an experimental study."
- 1914 <sup>23</sup> John William M'Nee, M.B., Ch.B. Thesis, "Experiments on Haemolytic Anaemias and on Haemolytic Icterus."
- 1914 <sup>23</sup> John Boyd Orr, M.A., B.Sc., M.B., Ch.B. Thesis, "A contribution to the Metabolism of Creatine."
- 1914 <sup>25</sup> William David Henderson Stevenson, M.A., M.B., Ch.B. Thesis, "Studies on certain prophylactic measures against the spread of Bubonic Plague."
- 1914 <sup>1</sup> David Rutherford Adams, M.B., Ch.B. Thesis, "Ganglioneuroma of the sympathetic nervous system."
- 1914 <sup>1</sup> William Barrie Brownlie, M.B., Ch.B. Thesis, "A clinical study of 55 cases of intraocular retention of a foreign body, with special reference to the more recent methods of diagnosis and treatment and to the actual condition of the eyes two years after treatment."
- 1914 <sup>1</sup> Albert William Gregorson, M.B., Ch.B. Thesis, "Nitrification in Soil."
- 1915 <sup>23</sup> Matthew Young, M.B., Ch.B. Thesis, "A Contribution to the Study of the Scottish Skull."
- 1915 <sup>4</sup> Ernest Milne Eaton, M.B., Ch.B. Thesis, "A Study on the Etiology of certain affections of obscure nature which may follow upon Tick-Bite in Man and Animals."
- 1915 <sup>1</sup> Edward George Glover, M.B., Ch.B. Thesis, "Diagnostic Methods in Early Pulmonary Tuberculosis."
- 1915 <sup>1</sup> Robert Maxwell Macfarlane, M.B., Ch.B. Thesis, "The Sanitation of a small European Settlement in Portuguese East Africa, with notes on some of the diseases prevalent in the district."

<sup>1</sup> Commended for Thesis.<sup>2</sup> With Honours.<sup>3</sup> Gained a Bellahouston Gold Medal.<sup>4</sup> Highly Commended for Thesis.<sup>5</sup> Gained a Straits Settlements Gold Medal.

## BACHELORS OF MEDICINE (M.B.).—HONOURS.

1866-1906. See *University Calendar*, 1911-12.1907, etc. See later *University Calendars*.

1909	George Macleod, M.A.	1912	William Brockie Wilson.
"	William Howat, M.A.	"	Stuart Spence Meighan, B.Sc.
"	Mat. Ignatius Thornton Cassidy.	"	James Hinton Robertson.
"	William M'Adam, M.A., B.Sc.	"	Thomas Martin.
"	David Campbell Suttie.	"	James Henry Dible.
"	John William M'Nee.	1913	John Smith Knox Boyd.
1910	James Thomson Dick.	"	Douglas Kinchin Adams, M.A., B.Sc.
"	William Macewen.	1914	Robert Tennent.
"	Thomas Jones Mackie.	"	Archibald Munn M'Cutcheon.
1911	David Thomas Crichton Frew.	"	James William Moffatt.
"	William MacMurray.	1915	John Mandeville Macfie.
"	James Eric Paterson.	"	John Desmond Milligan.
"	Charles Cameron, M.A.	1916	Jane Stalker.
"	James Lachlan Ure.		
"	Thomas Stewart Barrie.		

## BRUNTON MEMORIAL PRIZE OF £10,

*Awarded to the most distinguished Graduate in Medicine of the year.*1880-1906. See *University Calendar* 1911-12.1907, etc. See later *University Calendars*.

1909. William M'Adam, M.A., B.Sc., M.B., Ch.B.

1910. Thomas Jones Mackie, M.B., Ch.B.

1911. James Eric Paterson, M.B., Ch.B.

1912. James Hinton Robertson, M.B., Ch.B.

1913. John Smith Knox Boyd, M.B., Ch.B.

1914. James William Moffatt, M.B., Ch.B.

1915. John Mandeville Macfie, M.B., Ch.B.

## THOMAS LOGAN MEMORIAL MEDAL AND PRIZE,

*Awarded to the most distinguished Graduate in Arts of the year.*1888-1906. See *University Calendar*, 1911-12.1907, etc. See later *University Calendars*.

1909. Hugh A. Reyburn, M.A.

1910. Ernest Evans, M.A.

1911. { Annie M. Conway, M.A.

Arthur S. Morrison, M.A.

Matthew W. Robieson, M.A.

,, Andrew Browning, M.A.

1912. Geo. Alexander Johnston,  
M.A.

1913. Thomas Jack, M.A.

1914. Robert Fletcher, M.A.

1915. Alexander Macbeath, M.A.

## XII.—DEGREE AND PRIZE LIST.

### LIST OF DEGREES

CONFERRED IN THE VARIOUS FACULTIES AND OF PRIZES AND  
CERTIFICATES OF HONOUR AWARDED IN THE SEVERAL  
CLASSES OF THE UNIVERSITY FROM 21ST APRIL, 1915,  
TO 28TH APRIL, 1916.

#### DOCTORS OF DIVINITY (D.D.).

*Honoris causa.*

21st June, 1915.

- The Rev. the Right Honourable Sholto Douglas Campbell, Baron Blythswood, M.A., formerly Incumbent of St. Silas Episcopal Church, Glasgow.  
The Rev. John Campbell, B.D., Minister of Kirkcaldy.  
The Rev. Robert Frew, Superintendent of the Church of Scotland Mission to the Jews, Constantinople [*in absentia*].  
The Rev. John Alexander Hutton, M.A., Minister of Belhaven United Free Church, Glasgow.  
The Rev. Robert Pryde, M.A., Clerk to the Presbytery of Glasgow.  
The Rev. William Lowe Walker, D.D., formerly Minister of Great Hamilton Street Congregational Church, Glasgow.

#### DOCTORS OF LAWS (LL.D.).

*Honoris causa.*

21st June, 1915.

- John Thomas Toshach Brown, Member of Council of the Faculty of Procurators, Glasgow, and Clerk of the Peace for Mid-Lanarkshire.  
Alan Ernest Clapperton, B.L., Secretary of the University Court.  
James MacLehose, M.A., F.S.A., Publisher and Printer to the University.  
George Ballard Mathews, M.A., F.R.S., formerly Fellow of St. John's College, Cambridge, Lecturer at the University College of North Wales.  
George Stevenson Middleton, M.A., M.D., C.M., Consulting Physician to the Royal Infirmary and to the Royal Hospital for Sick Children, Glasgow, President of the Association of Physicians of Great Britain and Ireland.  
Robert Renwick, Depute Town-Clerk of the City of Glasgow.

28th April, 1916.

- The Right Hon. William Morris Hughes, Prime Minister of the Commonwealth of Australia.

#### BACHELORS OF DIVINITY (B.D.).

13th November, 1915.

Ronald Currie Kerr, M.A.

25th April, 1916.

- |                               |  |
|-------------------------------|--|
| Alexander Ferguson, M.A.      | Charles Maclean, M.A.  |
| Edward John Harris, M.A.      | William Samson, M.A.   |
| Robert Scott M'Clelland, M.A. | Robert Wright Smith, M.A. ( <i>absent on military service</i> ). |



## BACHELORS OF LAWS (LL.B.).

25th April, 1916.

Samuel Grasse, M.A., B.Sc.

David Grierson Ogilvy, M.A.

## BACHELORS OF LAW (B.L.).

13th November, 1915.

James Ewart Kennedy Cook.

Archibald Macdonald.

25th April, 1916.

James Laun Gillespie.

## DOCTORS OF MEDICINE (M.D.).

13th November, 1915.

## I. WITH HONOURS.

Matthew Young, M.B., Ch.B. Thesis, "A Contribution to the study of the Scottish Skull."

## II. WITH HIGH COMMENDATION.

Ernest Milne Eaton, M.B., Ch.B. Thesis, "A Study on the Etiology of certain affections of obscure nature which may follow upon Tick-Bite in Man and Animals."

## III. WITH COMMENDATION.

Edward George Glover, M.B., Ch.B. Thesis, "Diagnostic Methods in Early Pulmonary Tuberculosis."

Robert Maxwell Macfarlane, M.B., Ch.B. Thesis, "The Sanitation of a small European Settlement in Portuguese East Africa, with notes on some of the diseases prevalent in the district."

## IV. ORDINARY DEGREE.

Francis James Barker, M.A., M.B., C.M. Thesis, "Gonorrhoea and its Commoner Manifestations, Primary and Secondary, in Women—Description and Discussion of a Virulent Case, marked by extreme Hyper-pyrexia."

Hugh Barr, M.B., Ch.B. Thesis, "Rickets."

Jane Reid Foulds Gilmour (Mrs. Shrubsall), M.B., Ch.B. Thesis, "On some Characters associated with cases of Heart Disease in the Public Elementary Schools of London."

Elizabeth Maud M'Vail, M.B., Ch.B. Thesis, "An Enquiry into the Housing of Seasonal Workers in Scotland."

Robert Macnair Walker, M.B., Ch.B. Thesis, "On the Colloidal Nature of the Wassermann Reaction."

25th April, 1916.

Dagmar Florence Curjel, M.B., Ch.B. Thesis, "The Relation of the Calcium Content of the Blood to the Tonicity of the Cardiac Muscle."

## MASTER OF SURGERY (CH.M.).

25th April, 1916.

## WITH HIGH COMMENDATION

Robert Buchanan Carslaw, M.A., M.B., Ch.B. Thesis, "On the Character, Significance, and Prognostic Value of Peritoneal Exudates."

## BACHELORS OF MEDICINE AND BACHELORS OF SURGERY (M.B., CH.B.).

14th July, 1915.

## I. WITH HONOURS.

John Mandeville Macfie.

John Desmond Milligan.

## II. WITH COMMENDATION.

John Crawford Knox, B.Sc.

William Frederick Shanks, B.Sc.

Robert Stuart Gibson, B.Sc.

William Cunningham.

Moses Wolfe Cantor, B.Sc.

Robert Milne Lang.

John King Rennie, B.Sc.

## III. ORDINARY DEGREES.

Dugald Stewart Campbell, M.A.  
 William Campbell.  
 John Stirling Gilchrist.  
 Colin Campbell Blair Gilmour, M.A.  
 Janet Fraser Henderson.  
 Helen Isobel Winifred Kerr.  
 James Alexander Leiper.  
 Reginald Lyon.  
 David M'Farlane.  
 Alexander Fraser M'Intosh.  
 George Maclean.  
 Peter Donald MacLean, M.A.

Malcolm Bonar Macleod.  
 David M'Neill.  
 Frederick William Morrison.  
 Mary Anderson Noble.  
 Alexander Scott.  
 James Tait Smith, M.A.  
 Isabel Stirling Thomson.  
 Adrian Johannes van der Spuy.  
 John Dalglish Watson.  
 Robert James Wilson.  
 Mary Ferguson Wood, M.A.  
 Alexander Young.

11th October, 1915.

## I. WITH COMMENDATION.

Noah Morris, B.Sc.

Robert Taylor Todd.

## II. ORDINARY DEGREES.

Robert Aitken.  
 George del Pino.  
 Alexander Dick.  
 Ronald Stevenson Dickie.  
 Leonard Woodburn Gemmell.  
 Norman William Gilchrist.  
 Robert Kinnear Hay Gillespie.  
 William Allan Higgins, M.A.  
 Theodore Paton Hutchison.  
 Florence Scott Kirk.  
 Hugh Lawrence M'Cormick.

Donald John MacDougall.  
 Gerald James M'Gorty.  
 Joseph Patrick M'Greehin.  
 Archibald M'Innes.  
 Margaret Jane MacLachlan.  
 Effie Cowan M'Vie.  
 John Hughes Murray.  
 Arthur William Panton.  
 Kenneth M'Alpin Ross.  
 Margaret Ann Hendry Stewart.  
 George Turnbull Walker.

8th April, 1916.

## I. WITH HONOURS.

Jane Stalker.

## II. WITH COMMENDATION.

John Dunbar.  
 Clive Alan Whittingham.

Marion Baillie Darling Wilson.

## III. ORDINARY DEGREES.

William Dick Allan.  
 John Alston.  
 William Baird.  
 Christina Blair Buchanan.  
 Duncan Cameron.  
 Joseph Chalmers.  
 Douglas Hamilton Coats.  
 William Kerr Connell.  
 Alexander Findlay Cook.  
 Archibald Shankland Cook.  
 Walter Gow Cook.  
 John Norman Cruickshank.  
 Andrew Davidson.  
 Jane Beattie Davidson.  
 James Brown Fisher.  
 Matthew Mair Frew.  
 Thomas Ronald Fulton.  
 William Hamilton Gibson.  
 Jessie Crawford Gilchrist.  
 John Glaister.  
 James Scott Kinross.  
 George Kirkhope.  
 William Joseph Brown Lavery.  
 Robert Lindsay, M.A.

Dorothy M'Cubbin.  
 James Wallace Macfarlane.  
 John MacInnes.  
 Keith Stuart Macky.  
 Duncan M'Laren.  
 Elizabeth Stewart Martin.  
 Frederick Robertson Martin.  
 James M'Donald Matheson.  
 William Watson Morrison.  
 Alexander Morton.  
 William O'Brien.  
 James Alexander Paterson.  
 Thomas Smith Paterson.  
 James Herbert Paul, M.A., B.Sc.  
 William James Poole.  
 Thomas Joseph Desmond Quigley.  
 James Richardson.  
 Alexander Wilkie Ritchie.  
 George William Ronaldson.  
 Mary Helen Routledge.  
 Mary Ishbel Sinclair.  
 William Mitchell Stewart.  
 John Lawrence Torley.  
 Robert Smellie Weir.

## DOCTORS OF SCIENCE IN PUBLIC HEALTH

(D.Sc. PUB. HEALTH).

21st June, 1915.

Archibald Armitage Jubbs, M.D., Ch.B., B.Sc. (Public Health). Thesis, "(1) A Study of Rheumatic Fever in the West Riding of Yorkshire. (2) Anthropometrical Formulae for Nutrition. (3) Achondroplasia. (4) Congenital Word-blindness."

Peter Lindsay Sutherland, M.B., Ch.B., B.Sc. (Public Health). Thesis, "(1) Two Milk-borne Outbreaks of Enteric Fever caused by the same 'Carrier.' (2) The Detection of Anthrax Spores in East India Wool and in Yarn manufactured therefrom. (3) A method of Staining the Bacillus Diphtheriae for Purposes of Diagnosis."

## DOCTORS OF SCIENCE (D.Sc.).

25th April, 1916.

Alexander Fleck, B.Sc. Thesis, "Chapters on the Chemistry of the Radio-Elements: (1) The Chemistry of the Radio-Elements; (2) The Chemical Nature of some Radioactive Disintegration Products, Parts I. and II.; (3) The Relation of Uranous Salts to Thorium; (4) The Disintegration of Uranium X; (5) The Condensation of Thorium and Radium Emanations."

Thomas Bonner Morley, B.Sc. Thesis, "The Flow of Air through Nozzles."

## BACHELORS OF SCIENCE (B.Sc.).

21st June, 1915.

*In Pure Science.*

Edith Helen Glen.

Marian MacDougall.

William Slorach Kerr, M.A.

John M'Pheely.

Tsoo Hong Lee.

*In Agriculture.*John Hepburn Russell (*absent on military service*).

14th July, 1915.

*In Pure Science.*

Thomas Rogers.

*In Engineering.*

Kunjabehari De, B.A.

13th November, 1915.

*In Pure Science.*

William John Boyd.

Annette Graham Mann.

Mary Reid Crawford.

William Peebles, M.A.<sup>1</sup>

Annie Elizabeth Davies.

James Shankie.

Jeanie Douglas Drysdale.

Catherine Callan Simpson.

William Gray.

Campbell Stephen, B.D.

Annie Barbour Henderson.

Jean Birkmyre Trench, M.A.

Colin M'Farlane Leitch.<sup>1</sup>

Chetai Yu.

William M'Hutchison.

*In Engineering.*

John Roy Beveridge.

John Moyes Lessells.

Nabakumar Bose.

Harold Montgomery M'Cunn.

Robert Mair Chalmers.

Dugald Smith.

Frederick John de Souza.

Robert Smith.<sup>2</sup>

Paulus Eide.

<sup>1</sup> With Special Distinction in Geology.<sup>2</sup> With Special Distinction in Astronomy.<sup>3</sup> With Special Distinction in Mining I., II., III., IV.

20th November, 1915.

*In Pure Science.*

William Allan.  
Robert Black (Huddersfield).<sup>1</sup>  
John Thomas Brown.<sup>2</sup>

Alfred Saunders Hill.  
Margaret Kirkham Martin.<sup>3</sup>  
James Phemister.<sup>4</sup>

*In Engineering.*

Yoshinobu Katsura.

Roy Gregor MacGibbon.

25th April, 1916.

*In Pure Science.*

Catherine Reid Beveridge.  
Thomas Downie Hunter, M.A.

Elizabeth MacDougall.<sup>5</sup>  
Barbara Scott.

*In Agriculture.*Thomas Beaton Manson (*absent on military service*).*In Engineering.*

David Shallard Carment.  
Alexander Cleghorn (*on aircraft service*).  
Duncan MacColl.  
Robert Murray Milne.  
Bangsidhari Paul.  
Abdul Rahim.  
Ghanta Venkata Rao.  
Jogendra Chandra Roy.

Jehangir Nusserwanjee Setna.  
Hans George Johan Helland Sommerfeldt.  
Gunnam Subbarao.  
Charles Philip Tanner (*absent on naval service*).<sup>6</sup>  
Matthew Michael Waters.  
Hsi Yu Yu.<sup>3</sup>

## CERTIFICATE OF PROFICIENCY IN ENGINEERING SCIENCE.

20th November, 1915.

Yoshinobu Katsura.

25th April, 1916.

Bangsidhari Paul.  
Abdul Rahim.  
Jogendra Chandra Roy.

Jehangir Jusserwanjee Setna.  
Gunnam Subbarao.

## DOCTORS OF PHILOSOPHY (D.PHIL.).

21st June, 1915.

Hugh Adam Reyburn, M.A. Thesis, "Hegel's Ethical Theory: A Study of the Philosophy of Right."

25th January, 1916.

Gabriel Hercules Malan, M.A. (Cape) Thesis, "An Absolute Logical Criterion"

## MASTERS OF ARTS (M.A.).

14th June, 1915.

Charles MacBride.

21st June, 1915.

## I. WITH HONOURS.

*With Second-Class Honours in Classics.*

George Lambert.

<sup>1</sup> With Special Distinction in Astronomy.<sup>2</sup> With Special Distinction in (a) Mathematics, (b) Natural Philosophy, (c) Astronomy.<sup>3</sup> With Special Distinction in Mathematics.<sup>4</sup> With Special Distinction in (a) Mathematics, (b) Natural Philosophy.<sup>5</sup> With Special Distinction in Chemistry.<sup>6</sup> With Special Distinction in (a) Mathematics, (b) Natural Philosophy, (c) Physical Laboratory, (d) Engineering and Drawing.

*With Second-Class Honours in Philosophy (Moral Philosophy and English Literature).*

Walter M'Callum Clow.

*With Honours in Mathematics and Natural Philosophy.*

Thomas Black Duncan (on military service).

*With Third-Class Honours in English.*

Catherine Henderson Macintyre.

## II. ORDINARY DEGREE.

William Addison.	William Caldwell M'Donald.
John Allan (Coatbridge).	Christina MacEwan.
Agnes Miller Allison.	John Campbell M'Farlane.
Isabella Bain.	Catherine Knight M'Intyre.
William Barclay (Dalsersf).	Walter M'Intyre.
Isabella Barkey.	Catherine Meldrum M'Kerracher.
Margaret Barnes.	James Allan Mackintosh.
Wilhelmina Hutcheson Barr.	Jeanie Leitch M'Luckie.
Helen Todd Black.	John M'Naughton.
Alexander Edwin Blair.	John Macpherson
Edith Lizzie Spink Bonnyman.	William Mair.
Annie Knight Borthwick.	Walter Millar.
James Calderwood Brackenridge.	William Millar.
Janet Alison Charlotte Brown.	John James Moffat.
Laura Henrietta Marshall Buist.	Archibald Morrison.
George Ritchie Cairns.	Alexander Muir.
David Clark (Kilmarnock).	John MacLaine Munro.
Jane M'Donald Clark.	Mary Fleming Barrie Neilson.
Christina Clarkson.	Alexander Nicoll.
Agnes Christian Johnstone Davidson.	Evelyn Grace Paterson.
Margaret Cochrane Lithgow Davie.	Isabella Turner Patton.
John Fairlie.	James Peacock.
William Fleming.	Nora Potts.
William MacFarlane Forrest	Robert Hutcheson Ramshaw.
Alexander Fulton.	Annie Elizabeth Reid.
Mary Templeton Tait Gibson.	James Mathewson Ritchie.
Annie Gordon (Glasgow).	Janet Bennett Ross.
Agnes Gilmour Gray.	Annie Russell.
May Green.	Mary Scobie.
Agnes Macrae Grierson.	Alexandrina Copland Scott.
Helen King Hardie.	Esther Selkirk.
Felicia Dorothea Harris.	Agnes Livingstone Sharp.
Andrew Elvin Hart.	Mary Simpson.
Isabella Sharpe Hastings.	Elizabeth Kerr Smith.
Margaret Hastings.	Thomas Sommerville.
Annie Hawdon.	Mary Stewart Stalker.
John Henderson, B.Sc.	Frederick Strachan.
Elizabeth Downie Hewitt.	Raymond Powys St. Clair Swanson.
Margaret Elliott Stewart Houston.	James Tait.
Susan Jack Hunter.	Ernest John Tytler Thompson.
Thomas Hutson ( <i>absent on military service</i> ).	Alexander Finlay Walker.
Arthur James Irvine.	Andrew Brown Walker.
Janet Greig Sneddon Isles.	Norman MacLeod Thomson Walker.
Rachel Pattie Jardine.	Wilhelmina Taylor Walker.
Robert John Kelso.	Mark Sanderson Watson.
Colin Alexander Kennedy.	Robert John Wedderspoon.
Annie Grant Kidd.	William Jardine Weir.
Andrew Sneddon Kidston.	William Kennedy Williamson.
Andrew Terris Laird.	Charlotte Agnes Wilson.
James Laurie.	Peter Wilson.
John Stewart MacArthur.	John Wylie.

11th October, 1915.

Archibald Campbell Watt (*absent on military service*).

13th November, 1915.

*With Second-Class Honours in English.*

Mary Rhys.

*With Honours in English.*

David Hepburn Knox (*absent on military service*).

20th November, 1915.

I. WITH HONOURS.

*With First-Class Honours in Philosophy (Logic and Moral Philosophy) and with Honours in Economics.*

Alexander Macbeath.

*With First-Class Honours in Classics.*

Selbie MacNeill Campbell.

John Anderson Muir.

Andrew Gibb Fleming.

Mia Mackintosh Gray Waddell.

*With First-Class Honours in Latin and French.*

Lillias Taylor.

*With First-Class Honours in French and German.*

Suzanne Helène Bidgrain.

Agnes Jack M'Cance.

Janet Kennedy Gartshore.

*With First-Class Honours in French and Italian.*

Grace Hair Laidlaw.

*With First-Class Honours in English.*

John Ramsay Allardyce Nicoll

Florence Chisholm Skinnider.

Peter Robertson Purdie.

*With First-Class Honours in Mathematics and Natural Philosophy.*

William Arthur.

Margaret Kirkham Martin.

John Thomas Brown.

James Phemister.

Margaret Clark.

Agnes Stewart Ramsay.

*With Second-Class Honours in Classics.*

Ellen Hill.

Charles John Paterson.

Agnes Hudson Lamb.

Robert Wilson Porter.

William Alexander Cuthbert M'Connell.

*With Second-Class Honours in Latin and French.*

Lillias Scott Craig Begg.

*With Second-Class Honours in French and German.*

Elizabeth Aird Galloway.

Alice MacDougall.

Elsie May Kelly.

*With Second-Class Honours in French and Italian.*

William Alexander M'Innes.

*With Second-Class Honours in English.*

Alison Farie Anderson.

Robina Sibbald Lindsay.

Janet Currie Baillie.

Matthew Macqueen.

James Barclay.

Catherine Russell Meiklejohn.

Mary Findlay Kerr.

*With Second-Class Honours in Mathematics and Natural Philosophy.*

William Allan.

Elizabeth Turner Mackay.

Robert Black (Huddersfield).

Archibald Rae.

Alfred Saunders Hill.

Helen Neilson Stephen.

Marian MacDougall, B.Sc.

*With Honours in Classics.*

Ferdinand Frederick Allin.	John Dempster.
Allan Barr ( <i>on military service</i> ).	James Nogid Schon Field.
Daniel Blades.	Walter Schon Field.

*With Honours in English.*

Alfred Bryan ( <i>on military service</i> ).	Alexander M'Intyre.
John Henry Gilmour ( <i>on military service</i> ).	Norman MacLeod ( <i>on military service</i> ).
Allan Cameron M'Dougall.	

*With Honours in Philosophy (Logic and Moral Philosophy).*

George Charles Smith (*on military service*).

*With Third-Class Honours in Classics.*

Jenny Chalmers Riddick.

*With Third-Class Honours in Latin and French.*

Jessie Stewart Auld Fraser.

*With Third-Class Honours in English.*

Robert Knox.	Kathleen Storey.
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*With Third-Class Honours in Mathematics and Natural Philosophy.*

William Brodie Erskine.	Kenneth Mackay, B.Sc.
Charles Allen Lee.	Robert Sneddon Smellie.

## II. ORDINARY DEGREE.

Robert Dunlop Allison.	John Paterson M'Hutchison.
Arthur Anderson ( <i>absent on military service</i> ).	Bella Charlotte Macintyre.
Dorothy Sylvia Grantham Balfour.	Catherine Kerr Mackay.
Donald Bell.	John Mackay.
Margaret Bennett.	George Mackenzie.
Andrew Bernard.	Flora MacLachlan.
James Beveridge.	Lewis MacLachlan.
John Blyth.	Moya Elizabeth M'Laughlin.
John Alexander Calderwood ( <i>absent on military service</i> ).	William Macfarlane Maclean.
Elizabeth Cammock.	William Macleod.
Florence Sutherland Clark.	Christina M'Naughton.
Robina Bryce Clarke.	Dugald Cowan MacRae.
Margaret Green Cormack.	Ewen MacRury.
John Campbell Dow.	Margaret M'Cubbin Millar.
Mary Stairina Walker Dunn.	Diana Roberts M'chell.
Alexander Raeside Ferguson.	James Fleming Morrison.
Janet Fife.	Robert Macfarlane Neill ( <i>absent on military service</i> ).
Thomas Fisher.	Frederick Hamilton Pugh.
Angus M'Intyre Fraser.	Gladys Eileen Reis.
William Gebbie.	Jean Robertson Gold Renton.
Caroline Fraser Gibb.	Frank Robertson.
Norah Gilfillan.	Elizabeth Rodger.
John Crawford Grant ( <i>absent on military service</i> ).	James Smith.
Alfred Greenwood.	Margaret Livingston Smyllie.
Septimus Erik Houstoun.	Alfred Cameron Somerville.
Eleanora Hunter.	John Strathern.
John Inch.	Peter Taylor.
William Inglis.	Israel Louis Isadore Wainstein.
David Laird.	Alexander Macdonald Watson.
Isabella Boyd Leitch.	Ann M'Intyre Watson.
Thomas Vincent M'Call.	Thomas Steel Watson.
Barbara Brown M'Callum.	Walter George Weir.
Neil M'Eachran.	Agnes Kennedy Whiteside.
Samuel Wilson M'Ghee.	Edith Jane Wilson.
Lillias Henderson M'Gregor.	James Hugh Wilson.
	Elizabeth Mary Wyllie.

8th April, 1916.

Walter Gow Cook.

25th April, 1916.

# I. WITH HONOURS.

*With Honours in Classics.*

Archibald William Murray (*absent on military service*).

*With Honours in Philosophy (Logic and Moral Philosophy).*

Charles Norman Matheson Ramsay (*absent on military service*).

# II. ORDINARY DEGREE.

John Cashmore.

Magdalena Hunter Henderson.

Isobel Russell Hill.

Mary Campbell M'Laren.

Jane Helen Murray.

Cameron Petrie (*absent on military service*).

Colin Frederick Forbes Robertson.

Mary Russell Shortt.

# DISTINCTIONS GAINED

IN THE PROFESSIONAL EXAMINATIONS FOR M.B., CH.B.

The following passed with distinction in the subjects indicated :

## FIRST EXAMINATION.

October, 1915.

In Botany—John William Stewart Blacklock, Archibald Joseph Cronin, Thomas Fletcher, Andrew Yuill Pollok Johnston, Frederick M'Elwee, Gilbert Paterson ; in Zoology—Arthur Anderson ; in Physics—Alan Percy Agnew, James Caddies, Elizabeth Pace Cameron, Archibald Joseph Cronin, William Milroy Kennedy, John Kirk, M.A., B.Sc., James M'Farlane, Gilbert Paterson, Marguerite Linck Sclanders, Herbert James Sheppard, Noel Eustace Stone, William Lees Templeton.

March, 1916.

In Zoology—Alan Percy Agnew, Mary Baird, Elsie Florence Farquharson, M.A., Thomas Fletcher, Robert Dick Gillespie, James Lorimer Halliday, Mary Johnston Macfarlane, Alexandrena Miller Maclellan, James M'Nair, John M'Laughland Strang, Mary Carswell Walker, Helen Frances Wingate, John Wyllie, M.A. ; in Chemistry—Alan Percy Agnew, James Lorimer Halliday, Margaret Longwill Johnston, George William Murray, John M'Laughland Strang, William Lees Templeton, Helen Frances Wingate, John Yule.

## SECOND, THIRD, AND FINAL EXAMINATIONS.

June, 1915.

In (a) Anatomy and in (b) Physiology—Duncan MacCallum Blair, John Donald ; in Physiology—Barclay Barrowman, Richard Ryther Stancer Bowker, Andrew Murdoch Davidson, Andrew Henderson, Morris Hyman, Elizabeth Cochran Loudon, Isabella Quarrier M'Fadzean, William M'Linden, William Napier, John Nicol, Elizabeth Park Young Paterson, John William Peden, Ralph Paterson Smith, Daniel May Watson.

July, 1915.

In (a) Surgery and Clinical Surgery, (b) Medicine and Clinical Medicine, and (c) Midwifery—John Desmond Milligan ; in (a) Surgery and Clinical Surgery, and (b) Midwifery—John Mandeville Macfie ; in Surgery and Clinical Surgery—Malcolm Bonar Macleod ; in Midwifery—William Cunningham, James Tait Smith, M.A.

October, 1915.

In Anatomy—George Macfeat Wishart ; in Physiology—George Macfeat Wishart ; in Materia Medica and Therapeutics—Jules Steinmetz Martin, M.A. ; in Pathology—William Ralston Duncan Hamilton, Jules Steinmetz Martin, M.A., Mary MacLean Weir, M.A. ; in Midwifery—Noah Morris, B.Sc.



*March, 1916.*

In Anatomy—Archibald Donald Brown; in Physiology—Alan James Macartney, Thomas Stark; in Medical Jurisprudence and Public Health—William Moore Cameron, M.A., James Neil Jamieson, M.A., Andrew Brown M'Aulay Lang, M.A., James Macalister Mackintosh, M.A., Mary MacLean Weir, M.A.; in Surgery and Clinical Surgery—George Kirkhope; in Medicine and Clinical Medicine—Jane Stalker; in Midwifery—William Dick Allan, Joseph Chalmers, John Dunbar, Mary Helen Routledge, Clive Alan Whittingham, Marion Baillie Darling Wilson.

## BURSARIES COMPETITION.

*June, 1915.*

The following are the first hundred names in the order of merit, students with the figures (2), (3), etc., after their names being about to enter on their second, third, or later session. The examination subjects are indicated within brackets in each case: E. English; H. History; L. Latin; G. Greek; F. French; Ger. German; C. Celtic; M. Mathematics; N. Natural Philosophy; B. Botany; Geog. Geography; Chem. Chemistry.

1. James Paterson, Dumfries Academy (E.L.G.M.).
2. John Grierson, High School, Stirling (E.H.F.Geog.).
3. Robert C. Hamilton, Whitehill Higher Grade School, Glasgow (E.L.F.M.).
4. Clelland M. Hyslop, Dumfries Academy (L.F.M.N.).
5. David B. M'Millan (2), Ardrossan Academy (E.L.G.M.).
6. Martha F. L. S. Porteous, High School, Stirling (E.H.F.Geog.).
7. John B. Neilson, Whitehill Higher Grade School, Glasgow (E.L.G.M.).
8. Janet M. Henderson, Ayr Academy (E.F.Ger.M.).
9. Jessie F. Robb, Paisley Grammar School (E.H.F.Geog.).
10. Eliza A. M'Kinven, Mortlach Higher Grade School, Dufftown (H.F.Ger.Geog.).
11. Archibald N. Currie, Allan Glen's School, Glasgow (F.C.M.N.).
12. Elizabeth B. Scott, High School, Stirling (E.H.F.Geog.).
13. Henry S. Watson, Lenzie Academy (F.M.N.Chem.).
14. Alexander J. Younger (2), Dollar Institution (L.G.M.Geog.).
15. Dorothy Wilson (2), Dumfries Academy (E.H.F.M.).
16. John B. Sandford, Allan Glen's School, Glasgow (L.M.N.Chem.).
17. Robert D. Gillespie, Hutchesons' Grammar School, Glasgow (E.L.F.M.).
18. John P. Maxton, Spier's School, Beith (E.L.G.M.).
19. Catharine Boyd, Ardrossan Academy (H.L.F.M.).
20. John Caldwell, Paisley Grammar School (E.L.F.Geog.).
21. James J. Campbell, Kilmarnock Academy (E.L.G.M.).
22. David Hyslop, Ayr Academy (E.L.F.M.).
23. George G. Honeyman, High School, Glasgow (E.L.Ger.M.).
24. James N. Tennent, Lenzie Academy (F.M.N.Chem.).
25. Alexander J. L. Matthewson, Dumfries Academy (E.L.G.M.).
26. Francis J. M'Gregor, Allan Glen's School, Glasgow (L.M.N.Chem.).
27. Allan Maclean, Vale of Leven Academy, Alexandria (E.L.G.M.).
28. John P. Baillie, Hamilton Academy (E.L.G.M.).
29. James MacMillan, Ayr Academy (E.L.F.M.).
30. Alexander M'Arthur, Hamilton Academy (F.M.B.Chem.).
31. Janet S. Sloan, Hyndland Higher Grade School, Glasgow (E.F.Ger.M.).
32. Robert T. Ross, Oban High School (H.L.M.Chem.).
33. James A. Watson, Kilmarnock Academy (E.L.G.Geog.).
34. John Wardrop, Allan Glen's School, Glasgow (L.M.N.Chem.).
35. Duncan L. Munro, High School, Glasgow (E.L.G.M.).
36. Jeanie Main, Lenzie Academy (E.L.F.M.).
37. Alexander S. Davie, High School, Glasgow (E.L.G.M.).
38. Muriel Townend, Hutchesons' Girls' Grammar School, Glasgow (E.F.Ger.M.).
39. John F. Lochhead (2), Paisley Grammar School (E.L.F.M.).
40. Maggie M. King, Ardrossan Academy (L.F.M.Geog.).
41. John Gore, St. Aloysius' College, Glasgow (L.G.F.M.).
42. Malcolm Brown, Hamilton Academy (E.L.G.M.).
43. William Cuthbertson, Kilmarnock Academy (E.L.G.M.).
44. James R. Beard, Hillhead High School, Glasgow (E.F.M.Chem.).
45. Margaret A. Sloane (2), Hyndland Higher Grade School, Glasgow (E.H.L.M.).

46. James Young, Allan Glen's School, Glasgow (F.M.N.Chem.).
47. Alexander H. Rankin, Rothesay Academy (E.L.G.Geog.).
48. John M'Dowall (2), Greenock Academy (E.L.G.M.).
49. Christina C. C. Gray, Ayr Academy (E.F.Ger.M.).
50. Alice M. Barbour, Girls' High School, Glasgow (E.L.F.M.).
51. Margaret C. Mackie, Bellahouston Academy, Govan (E.L.F.M.).
52. David Russell, Bellahouston Academy, Govan (E.H.F.Geog.).
53. James Morrison, Clydebank Higher Grade School (E.L.F.M.).
54. Peter Cowan, Falkirk High School (E.H.L.M.).
55. Mary E. Munro (2), Woodside Higher Grade School, Glasgow (E.L.F.M.).
56. Joseph B. Kirkpatrick, Webster's Seminary, Kirriemuir (E.F.M.Geog.).
57. Margaret W. S. Glasgow, Dalziel High School, Motherwell (E.H.F.M.).
58. James Nicholson, Bellahouston Academy, Govan (F.M.N.Chem.).
59. Margaret J. Welsh, Dalziel High School, Motherwell (E.H.F.M.).
60. Ian Cameron, Ellon Higher Grade Public School, Ellon, Aberdeen (L.M.N. Chem.).
61. Christina M'Donald, Queen's Park Higher Grade School, Glasgow (E.F.M.Geog.).
62. Archie Douglas, Greenock Academy (E.L.G.M.).
63. William Wallace, Kilmarnock Academy (E.L.G.M.).
64. David M. Gilmour, Hamilton Academy (E.L.G.M.).
65. Robert K. Young, Dalziel High School, Motherwell (E.F.M.N.).
66. Ernest C. M'Laren, Forfar Academy (E.F.M.Chem.).
67. Janet F. Rodger, Whitehill Higher Grade School, Glasgow (E.L.F.M.).
68. James S. Herd, Paisley Grammar School (E.L.F.Geog.).
69. Catherine T. Wallace, Stirling High School (L.F.M.Geog.).
70. William M'Lachlan, Hutchesons' Grammar School, Glasgow (E.L.F.M.).
71. Elizabeth M'Callum, Spier's School, Beith (L.F.M.Geog.).
72. Lillian M'Donald, Queen's Park Higher Grade School, Glasgow (E.L.F.M.).
73. Charles Glen, Lenzie Academy (E.L.F.M.).
74. Ebenezer Kelso, Ardrossan Academy (H.L.M.Geog.).
75. Margaret G. Scott, Albert Road Academy, Glasgow (E.H.L.M.).
76. Arthur Browning, High School, Glasgow (E.L.G.M.).
77. Nathan Morris, Kent Road and Woodside Higher Grade Schools, Glasgow (E.F.Ger.M.).
78. William J. Wood, Clydebank Higher Grade School (E.L.F.M.).
79. Maggie Y. Laughlan, Kilmarnock Academy (E.L.F.M.).
80. John Yule, Clydebank Higher Grade School (L.M.N.Chem.).
81. Catherine G. Fulton, Whitehill Higher Grade School, Glasgow (E.L.F.M.).
82. Duncan M. Stewart, Hutchesons' Grammar School, Glasgow (E.L.G.M.).
83. John Forrest, Hamilton Academy (F.M.B.Chem.).
84. Annie D. Taylor, Falkirk High School (E.L.Ger.M.).
85. Sarah J. Maccoll (2), Albert Road Academy, Glasgow (E.F.M.Geog.).
86. Annie W. M'Lay, Hutchesons' Girls' Grammar School, Glasgow (E.F.Ger.Geog.).
87. Adrienne C. Fallet, Woodside Higher Grade School, Glasgow (E.L.F.M.).
88. James Small (2), Allan Glen's School, Glasgow (E.L.M.N.).
89. Helen F. Jones, Hamilton Academy (E.H.F.Geog.).
90. James Easton, Woodside Higher Grade School, Glasgow (H.F.Ger.Geog.).
91. Agnes W. Maxwell, Queen's Park Higher Grade School, Glasgow (E.H.F.M.).
92. Jean R. Colthart, Oban Higher Grade School (H.F.M.Geog.).
93. Malcolm Nicolson, Clydebank Higher Grade School (E.L.C.M.).
94. William Phillip, Hillhead High School, Glasgow (E.L.G.M.).
95. John G. Ritchie, Dumbarton Academy (E.L.F.M.).
96. Thomas S. Sergeant (4), Coatbridge Higher Grade School (E.L.F.M.).
97. Agnes K. Aitken, Stranraer High School (E.F.Ger.M.).
98. Francis Ferguson, Dunoon Grammar School (E.L.F.M.).
99. William N. Neilson, Stirling High School (L.F.M.Geog.).
100. Hector Fraser, Paisley Grammar School (E.L.F.Geog.).

### UNIVERSITY PRIZES.

#### I. FOR ESSAYS.

A COULTER PRIZE of £5, for an Essay on "The Philosophy of Wordsworth,"  
Charlotte M. Fleming.

A COULTER PRIZE of £5, for a Criticism of "The Lucretian Theory of Atomic Clinamen and Freewill."

Marion C. Alston.

The HENDERSON PRIZE of £21, for an Essay on "Modernism."

John Clarke.

The DR. ANDREW MILLER PRIZE of £5 in Books, for an Essay on "The Church and the Housing Problem."

Alexander Bennet.

## II. FOR EXAMINATIONS.

An ARNOTT PRIZE of £25, for Examination in Physiological Physics.

William Napier.

An ARNOTT PRIZE of £15, for Examination in General Physics.

William L. Templeton.

The FINDLATER SCHOLARSHIP of £38, for Examination in subjects of B.D.

Robert S. McClelland, M.A., } Equal.  
Robert W. Smith, M.A., }

The JAMIESON PRIZE of £10, for Examination in subjects of B.D.

Edward J. Harris, M.A.

The MACFARLAN AND COOK TESTIMONIAL PRIZE of £21, for Examination in Greek, Moral Philosophy, Hebrew, Church History, and Divinity.

Divided among eligible students.

The GLADSTONE HISTORICAL PRIZE of £25, for Examination in English History.

Mary F. B. Neilson, M.A.

The THOMAS LOGAN MEMORIAL MEDAL AND PRIZE to the Graduate in Arts of the year 1915 with the highest marks in the Degree Examination.

Alexander Macbeath, M.A.

The BRUNTON MEMORIAL PRIZE of £10, to the most distinguished graduate in Medicine of the year 1915.

John M. Macfie, M.B., Ch.B.

## III. FOR THESES.

BELLAHOUSTON GOLD MEDAL, for eminent merit in Thesis for M.D.

Matthew Young, M.D.

The STRUTHERS GOLD MEDAL AND PRIZE of £20, for Research in Anatomy.

Matthew Young, M.D.

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## CLASS PRIZES.

### DIVINITY.

PROFESSOR H. M. B. REID, D.D.

#### SENIOR CLASS.

#### I. Students of the Third Year :—

1. Edward J. Harris, M.A., Paisley (Cleland and Rae-Wilson Gold Medal, and Dickson Prize of £2 18s. 6d. in books).
2. Norman F. Orr, B.A., Ayr.
3. Robert W. Smith, M.A., Glasgow.

Honourable Mention (*equal*)—David Laird, Cambuslang; Donald Macdonald, M.A., Lochmaddy; Robert S. McClelland, M.A., Inchinnan.

Prizes for best sermon—James L. F. Scott, M.A., and Robert W. Smith, M.A., *equal*.

Dowanhill Prizes for Elocution—

1. (£20) Robert W. Smith, M.A.
2. (£10) James M. Haddow.

On service in second term—Donald M. K. McKay, M.A. (1st in first class-examination).

## II. Students of the Second Year :—

1. William Wright, M.A., Paisley.
2. Archibald M. Paterson, M.A., Newmilns.
3. John Freeland, M.A., Clydebank.
4. John Fairlie, M.A., Glasgow.

Prizes for best essay—Archibald M. Paterson, M.A. and William Wright, M.A., *equal*.

On service in second term—John S. Allan, M.A. (1st *equal* in first class-examination).

## III. Students of the First Year :—

1. John M. Munro, M.A., Glasgow.
2. { Thomas R. Allison, M.A., Paisley.
- { Andrew E. Hart, M.A., Glasgow.

Honourable Mention—George Mackenzie, M.A., Lochmaddy.

On service in second term—John W. Baird, M.A., Glasgow (4th in first class-examination).

## DIVINITY AND BIBLICAL CRITICISM.

PROFESSOR GEORGE MILLIGAN, D.D.

### SENIOR DIVISION.

1. Edward J. Harris, M.A., Paisley (Cleland and Rae-Wilson Gold Medal).
2. Norman F. Orr, B.A., Ayr.
3. Norman Mackenzie, Lochcarron.

Honourable Mention.

4. David Laird, Cambuslang.
5. Robert W. Smith, M.A., Glasgow.

### JUNIOR DIVISION.

1. Christian A. Robertson, M.A., Coatbridge.
2. William Wright, M.A., Paisley.
3. Andrew E. Hart, M.A., Glasgow.
4. Archibald M. Paterson, M.A., Newmilns.

Honourable Mention.

5. John Fairlie, M.A., Maybole.

## HEBREW AND SEMITIC LANGUAGES.

PROFESSOR WILLIAM B. STEVENSON, B.D., D.Litt.

### SENIOR HEBREW CLASS.

Cleland and Rae-Wilson Gold Medal.

Christian A. Robertson, M.A.

Certificate of Merit.

Norman F. Orr, B.A.

## JUNIOR HEBREW CLASS.

## Honour Certificates.

Thomas R. Allison, M.A., } Equal.  
 John M. Munro, M.A., }

## Certificates of Merit.

George Mackenzie, M.A., } Equal.  
 John Cooper, }

## ARAMAIC.

*Summer Term, 1915.*

Robert F. Chisholm.  
 James Robson, M.A.

## ARABIC.

LECTURER—THOMAS H. WEIR, B.D., M.R.A.S.  
 1915-1916.

## ORDINARY CLASS.

1. Edward J. Harris, M.A.
2. Andrew E. Hart, M.A.

## CHURCH HISTORY.

PROFESSOR JAMES COOPER, D.D., Litt.D., D.C.L.

## I. SENIOR CLASS.

## Prizemen.

1. Edward John Harris, M.A., Paisley (Cleland and Rae-Wilson Gold Medal).
2. Robert Wright Smith, M.A., Tollcross.
3. Robert Mackie, M.A., Prestonhall.
4. Norman Mackenzie, Lochcarron.

## Honourable Mention.

5. Robert Scott McClelland, M.A., Inchinnan.

## II. JUNIOR CLASS.

## Prizemen.

1. Thomas R. Allison, M.A., Paisley.
2. John M. Munro, M.A., Glasgow.
3. Andrew E. Hart, M.A., Glasgow.
4. George Mackenzie, M.A., North Uist.

## Honourable Mention.

John Cooper, New York.

## SCOTS LAW.

PROFESSOR WILLIAM M. GLOAG, K.C., B.A., Advocate.

## Prize and Honours List.

1. John M'Murray (Robert Ross Prize).
2. Henry H. Holmes (Special Certificate in lieu of Second Prize).

## Honours.

James D. Conway.

## DEGREE AND PRIZE LIST.

## CONVEYANCING.

PROFESSOR JAMES MOIR, LL.D. (died 31st Dec. 1915).  
Interim Lecturer—WILLIAM GUY.

## Prizemen.

1. Donald A. S. M'Leish, M.A. (Robert Ross Prize).
2. Thomas G. Menzies (Special Certificate).
3. Robert M. Watson (Special Certificate).

## Eminently Distinguished.

4. James R. M'Kail.

## CIVIL (OR ROMAN) LAW.

Lecturer—WILLIAM DUNBAR, LL.B., Advocate.

## Special Certificates in lieu of Prizes.

1. Colin F. F. Robertson.
2. George Coghill.

## PUBLIC INTERNATIONAL LAW.

Interim Lecturer—RODERICK M. NICOL, LL.B.

## Prize.

David G. Ogilvy, M.A.

## INTERNATIONAL PRIVATE LAW.

Interim Lecturer—RODERICK M. NICOL, LL.B.

*Summer Session, 1915.*

Donald A. S. M'Leish, M.A. (William Guthrie Memorial Prize and Class Prize).

## JURISPRUDENCE.

Lecturer—A. A. MITCHELL, LL.B.

## Prizemen

1. Israel Levine (Guthrie Memorial Prize).
2. David G. Ogilvy, M.A.

## CONSTITUTIONAL LAW AND HISTORY.

Lecturer—WM. S. M'KEOHNE, LL.B., D.Phil.

## ORDINARY CLASS.

1. James N. Doherty (Prizeman).
2. Elizabeth C. Knox.
3. Elizabeth B. Coghill.
4. John B. Craig.

## MERCANTILE LAW.

Lecturer—THOMAS G. WRIGHT, LL.B.

First Prize and Sheriff Balfour Prize.  
James Fleming.

Second-Class Certificate of Merit.  
David Paterson.

## FORENSIC MEDICINE (LAW).

PROFESSOR JOHN GLAISTER, M.D., D.P.H.(Camb.), F.R.S.E.

First-Class Certificate.

Robert D. Allison, M.A.

## EVIDENCE AND PROCEDURE.

Lecturer—ROBERT LAMOND, LL.B.

First Prize and First Class Certificate of Merit.

Thomas F. Whitewright.

First-Class Certificates of Merit.

John A. Cameron, M.A.

David Robertson.

Archibald Hamilton.

## SYSTEMATIC SURGERY.

PROFESSOR SIR WILLIAM MACEWEN, M.D., LL.D., D.Sc. (Oxon.), F.R.S.

*Winter Session, 1915-16.*

First-Class Certificates.

1. Frederick W. Hebblethwaite (Medal).
2. Archibald S. Strachan, M.A., B.Sc.
3. William Napier.
4. John Irving.

Commendation Certificates.

Alexander B. Austin.

James Moffat.

Morris Hyman.

John G. Harrower.

George M. Wishart.

William S. L. M'Leish.

James M. Mackintosh, M.A.

James S. M. Gray.

Andrew B. M. Lang, M.A.

Thomas M'Gowan.

James P. Kilty.

William M'Linden.

## CLINICAL SURGERY.

PROFESSOR SIR WILLIAM MACEWEN, M.D., LL.D., D.Sc. (Oxon.), F.R.S.

*Summer Session, 1915.*

First-Class Certificates.

- |                         |                    |
|-------------------------|--------------------|
| 1. John D. Watson.      | 3. Robert M. Lang. |
| 2. Robert W. MacDonald. | 4. James Steel.    |

Commendation Certificates.

- |                      |                          |
|----------------------|--------------------------|
| 1. { James P. Broom. | 3. Abraham R. Steinberg. |
| Archibald C. Brown.  | 4. Neil MacKillop.       |
| 2. John A. Buchanan. | 5. Alexander Young.      |
|                      | 6. Francisco Ribeiro.    |

1915-16.

## SENIOR DIVISION.

First-Class Certificates.

1. James F. Duthie.
2. John MacInnes.
3. James Crerar.

## DEGREE AND PRIZE LIST.

## JUNIOR DIVISION.

## First-Class Certificates.

William H. Gordon, M.A.  
 Robert T. M'Gibbon.  
 George M. Wishart.  
 James P. Kilty.  
 Morris Hyman.

## Commendation Certificate.

William S. L. M'Leish.

## OPERATIVE SURGERY.

PROFESSOR SIR WILLIAM MACEWEN, M.D., LL.D., D.Sc. (Oxon.), F.R.S.

*Summer Session, 1915.*

## First-Class Certificates.

1. Herbert W. Torrance (Medal).
2. { David Clyde,  
John N. Cruickshank, } Equal.
3. { Dugald S. Campbell, M.A.,  
William Campbell,  
John W. Dalglish, } Equal.

## Commendation Certificates.

1. { Alexander F. Cook, } Equal.  
James Steel,
2. { James B. Fisher, } Equal.  
William H. Gibson,

## SURGERY (ST. MUNGO CHAIR).

PROFESSOR ROBERT KENNEDY, M.A., D.Sc., M.D.

## First-Class Certificates of Merit.

1. John M. Clark.
2. James N. Jamieson, M.A.
3. Alice J. Marshall.
4. Jessie C. Gilchrist.

## Second-Class Certificates of Merit.

5. { Mary M. Weir, M.A., } Equal.  
Marion B. D. Wilson,
7. Margaret H. Glen.
8. Mary A. M. MacLean.
9. Jessie B. MacLachlan.

## CLINICAL SURGERY (ST. MUNGO CHAIR).

PROFESSOR ROBERT KENNEDY, M.A., D.Sc., M.D.

*Summer Session, 1915.*

Robert K. H. Gillespie (Medal).

## First-Class Certificates of Merit.

1. Robert K. H. Gillespie.
2. { Robert Aitken, } Equal.  
Maud C. Cairney,
4. William A. Higgins, M.A.
5. William Cunningham.

## Second-Class Certificates of Merit.

7. Malcolm B. MacLeod.
8. Moses W. Cantor, B.Sc.
9. { May C. B. Leigh, } Equal.  
Alexander F. M'Intosh,

No class honours in Class of Operative Surgery.



## CLINICAL SURGERY.

*Session 1915-16.*

## First-Class Certificates of Merit.

1. Jessie C. Gilchrist.
2. { George Kirkhope,  
Isabella Q. M'Fadzean, } Equal.
4. Alexander Morton.

## Second-Class Certificates of Merit.

5. Christina B. Buchanan.
6. Walter G. Cook.
7. Elizabeth S. Martin.
8. Mary H. Routledge.

## CLINICAL SURGERY (ROYAL INFIRMARY).

Lecturer—JAMES A. ADAMS, M.D.

## First-Class Certificates.

Margarita M. L. Couper.  
Maud E. D. Mackinnon.  
Elizabeth C. Loudon.

## Second-Class Certificates.

Margaret G. M'Vey.  
Elizabeth P. Y. Paterson.

## PRACTICE OF MEDICINE.

PROFESSOR T. K. MONRO, M.A., M.D.

Special Certificate in lieu of Gairdner Medal.

Jules S. Martin, M.A.

## First-Class Certificates (in order of Merit).

1. Jules S. Martin, M.A.
2. Robert N. Walker, M.A.
3. Herbert W. Torrance.
4. { Arnot C. Hepburn,  
John Marshall,  
Wm. W. Morrison, } Equal.

## Second-Class Certificates (in order of Merit).

1. Duncan M'Laren.
2. { John Ashforth,  
John Dunbar,  
John L. Rowlands,  
Clive A. Whittingham,  
Wm. Adams,  
Jacob Joels, } Equal.
6. { Henry B. Sergeant,  
James H. Shearer,  
John S. Craig,  
James M. Downie, B.A.,  
Robert J. L. Fraser,  
James Moffat,  
Kenneth M'Alpine,  
Humphrey Robertson, M.A., } Equal.
16. { William M. Cameron, M.A.,  
Fred. W. Hebblethwaite,  
James R. R. Holms,  
Wm. H. Palmer,  
Alex. B. Stich, B.Sc., } Equal.
21. Robert Aitken.
22. James M. Mackintosh, M.A.
23. { Thomas R. Fulton, } Equal.
24. Fred. C. Logan.
24. Andrew W. Smith.

## CLINICAL MEDICINE.

PROFESSOR T. K. MONRO, M.A., M.D.

*Summer Session, 1915.*

## SENIOR DIVISION.

## First-Class Certificates (in order of Merit).

John K. Rennie, B.Sc. (Cullen Medallist).  
John M. Macfie.  
Dugald S. Campbell, M.A.

## Second-Class Certificates (in order of Merit).

William Campbell.	William D. Allan.
Robert Lindsay, M.A.	John C. Knox, B.Sc.
Fred. W. Morrison.	Archd. S. Cook.
Robert S. Gibson, B.Sc.	Matthew M. Frew.

## JUNIOR DIVISION.

## Second-Class Certificates (in order of Merit).

Robert E. Kerr (Cullen Medallist).	William M. Kerr.
Henry F. Hollis.	

*Winter Session, 1915-16.*

## Special Certificate in lieu of Cullen Medal.

Jules S. Martin, M.A.

## First-Class Certificates (in order of Merit).

Jules S. Martin, M.A.	Herbert W. Torrance.
Arnot C. Hepburn.	

## Second-Class Certificates (in order of Merit).

James Steel.	Andrew W. Smith.
James Moifat.	Robert Aitken.
Henry B. Sergeant.	John Marshall.
John Stirling, B.Sc.	John W. W. Baillie.

## PRACTICE OF MEDICINE (MUIRHEAD CHAIR).

PROFESSOR WALTER K. HUNTER, M.D., D.Sc.

## HONOURS LIST.

## First-Class Certificates.

1. Jean M. Frew.	3. Grace L. Hunter.
2. Jessie B. MacLachlan.	Ernest M. Dunlop. <sup>1</sup>

## Second-Class Certificates.

5. Mary M. Weir, M.A.	7. Kenneth J. T. Wilson.
6. Robina S. M'Kinnon.	8. May I. T. Reid.

## CLINICAL MEDICINE (MUIRHEAD CHAIR).

PROFESSOR WALTER K. HUNTER, M.D., D.Sc.

*Summer Session, 1915.*

## First-Class Certificates.

1. Kenneth J. T. Wilson (Medal).	3. William Cunningham.
2. David Campbell, M.A., B.Sc.	4. Jane Stalker.

## Second-Class Certificates.

5. Alex. F. M'Intosh.	8. Mary H. Routledge.
6. Robert Aitken.	9. Donald J. MacDougall.
7. Moses W. Cantor, B.Sc.	10. Alex. Scott.

*Session 1915-16.*

## First-Class Certificates.

1. William D. Allan.	4. John N. Cruickshank.
2. Ernest M. Dunlop.	5. Ann K. Cormack.
3. Robert W. MacDonald.	

## Second-Class Certificates.

6. Archibald S. Cook.	8. William H. Gibson.
7. Jean M. Frew.	

<sup>1</sup> Mr. Dunlop was absent from one examination : his average for the other two was 79 per cent.

## CLINICAL MEDICINE (ROYAL INFIRMARY).

Lecturer—JOHN HENDERSON, M.D.

## CLASS HONOURS.

*Summer Session, 1915.*

Prize and First-Class Certificate.

John D. Milligan.

First-Class Certificate.

James F. Duthie.

Second-Class Certificate.

James M. Matheson.

*Winter Session, 1915-16.*

Special Certificates in lieu of Class Prizes.

1. James Herbert Paul, M.A., B.Sc.

2. Malcolm Chalmers, M.A.

## CLINICAL MEDICINE (ROYAL INFIRMARY).

Lecturer—WILLIAM R. JACK, B.Sc., M.D.

*Summer Session, 1915.*

First Prize and First-Class Certificates.

1. { Mary A. Noble, } Equal.  
   { John Crawford, }

First-Class Certificates.

3. Malcolm B. Macleod.

4. Colin C. B. Gilmour, M.A.

5. Robert K. H. Gillespie.

*Winter Session, 1915-16.*

First Prize and First-Class Certificate.

1. Walter G. Cook.

Second Prize and First-Class Certificate.

2. { Mary H. Routledge, } Equal.  
   { Jane Stalker, }

First-Class Certificate.

4. Jessie C. Gilchrist.

## MIDWIFERY.

PROFESSOR MURDOCH CAMERON, M.D.

Medallist.

William Adams.

First-Class Certificates (alphabetically arranged).

John Ashforth.

James M. Mackintosh, M.A.

Jules S. Martin, M.A.

James Moffat.

Clive A. Whittingham.

Second-Class Certificates (alphabetically arranged).

James M. Downie, B.A.

Henry F. Hollis.

Donald J. Mackinnon.

William H. Palmer.

John L. Rowlands.

Henry B. Sergeant.

James H. Shearer.

Andrew W. Smith.

Clarence L. Somerville.

Robert Wiggins.

George Young.

## DEGREE AND PRIZE LIST.

## GYNAECOLOGY.

PROFESSOR MURDOOH CAMERON, M.D.

*Summer Session, 1915.*

## Medallists.

Moses W. Cantor, B.Sc.,	} Equal.
James T. Smith, M.A.,	

## First-Class Certificates.

William K. Connell.

James Steel.

## Second-Class Certificates.

William D. Allan.

Duncan M'Laren.

Joseph Chalmers.

Fred. W. Morrison.

James Crerar.

William W. Morrison.

Robert Lindsay, M.A.

Kenneth J. T. Wilson.

## OBSTETRICS AND GYNAECOLOGY (MUIRHEAD CHAIR).

PROFESSOR JOHN M. MUNRO KERR, M.D.

Special Certificate in place of Medal.

Jean M. Frew.

## First-Class Certificates.

John M. Clark.

May C. B. Leigh.

Jessie B. MacLachlan.

John Marshall.

## Second-Class Certificates.

Mary R. Knight, M.A.

May E. M'Iver.

May I. T. Reid.

Lillias Maclay.

James N. Jamieson, M.A.

Grace L. Hunter.

## GYNAECOLOGY (MUIRHEAD CHAIR).

PROFESSOR JOHN M. MUNRO KERR, M.D.

*Summer Session, 1915.*

## HONOURS LIST.

## Medallist.

John D. Milligan.

## First-Class Certificates.

Mary H. Routledge.

John M. Macfie.

John Dunbar.

## Second-Class Certificates.

Maud C. Cairney.

James F. Duthie.

Jane Stalker.

John Crawford.

Andrew Davidson.

Christina B. Buchanan.

## PSYCHOLOGICAL MEDICINE (INSANITY).

Lecturer—LANDEL R. OSWALD, M.B.

*Summer Session, 1915.*

No First-Class Certificates granted.

## Second-Class Certificates (in alphabetical order).

William M. Cameron, M.A.

Jessie B. MacLachlan.

Jean M. Frew.

William H. Palmer.

William R. D. Hamilton.

Henry B. Sergeant.

Andrew B. M. Lang, M.A.

James H. Shearer.

John Marshall.

William H. Wallace.

Jules S. Martin, M.A.

Marion Watson.

Kenneth M'Alpine.

Mary M. Weir, M.A.

Donald J. Mackinnon.

## PSYCHOLOGICAL MEDICINE (INSANITY).

Lecturer—JAMES H. MACDONALD, M.B.

*Summer Session*, 1915.

Prize.

David Campbell, M.A., B.Sc.

First-Class Certificates.

Douglas Taylor.

Robert J. L. Fraser.

Humphrey Robertson.

James R. R. Holms.

Second-Class Certificates.

William M'William.

John A. White.

John W. W. Baillie.

Albert E. Lillicrap.

Alexander B. Stich, B.Sc.

## DISEASES OF THE EAR.

Lecturer—THOMAS BARR, M.D.

*Winter Session*, 1915-16.

Prizes.

Wm. Adams.

Thomas Forrest.

First-Class Certificates.

Arnot C. Hepburn.

John S. Craig.

William M. Cameron, M.A.

Second-Class Certificates.

James M. Downie, B.A.

Frederick R. Lubovius.

Jas. W. Patterson.

## DISEASES OF THE EAR.

Lecturer—JAMES KERR LOVE, M.D.

*Summer Session*, 1915.

Lecturer's Prize.

Jane Stalker.

Certificates of Merit.

Jane Stalker

Alexander G. Brand.

Marion B. D. Wilson.

Jessie C. Gilchrist.

*Winter Session*, 1915-16.

Lecturer's Prize.

Mary A. M. MacLean.

Certificates of Merit.

Mary A. M. MacLean.

Mary H. Routledge.

Helen Y. Murdoch, M.A.

## DISEASES OF THE THROAT AND NOSE

Lecturer—JAMES WALKER DOWNIE, M.B.

*Summer Session*, 1915.

First-Class Certificates (in order of Merit).

William H. Kerr, M.A.

John Marshall.

William W. Morrison.

Duncan M'Laren.

Second-Class Certificates (in order of Merit).

John S. Craig,

John W. W. Baillie, } Equal.

Clarence L. Somerville, } Equal.

Andrew W. Smith, } Equal.

James B. Fisher.

## DISEASES OF THE THROAT AND NOSE.

*Winter Session, 1915-16.*

The Asher Asher Memorial Gold Medal.

Kenneth J. T. Wilson.

First-Class Certificates (In order of Merit).

Jas. M. Downie, B.A.,	} Equal.
Jules S. Martin, M.A.,	
William Adams,	} Equal.
Robert Aitken,	
Ernest M. Dunlop,	
Kenneth J. T. Wilson,	

Second-Class Certificates (in order of Merit).

Robert W. MacDonald.	} Equal.
Frederick R. Martin.	
James N. Jamieson, M.A.	
	William M. Cameron, M.A.,
	John L. Rowlands,

## DISEASES OF THE THROAT AND NOSE.

Lecturer—JOHN MACINTYRE, M.B., C.M., F.R.S.E.

*Summer Session, 1914.*

Honorary Certificates (in order of Merit).

Mary A. Noble (Graham Gold Medal).	Isabel S. Thomson.
Effie C. M'Vie (Silver Medal).	Helen I. W. Kerr.

*Winter Session, 1914-15.*

Honorary Certificates (in order of Merit).

First-Class.

John Crawford (Silver Medal).	William Cunningham.
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*Summer Session, 1915.*

Honorary Certificates (in order of Merit).

First-Class.

Maud C. Cairney (Graham Gold Medal).	Jessie C. Gilchrist.
Christina B. Buchanan.	

Second-Class.

Jane Stalker,	} Equal.	Marion B. D. Wilson.
Elizabeth S. Martin,		

*Winter Session, 1915-16.*

Second-Class Certificate.

John M. Clark.

## OPHTHALMOLOGY.

Lecturer—A. MAITLAND RAMSAY, M.D.

*Summer Session, 1915.*

First-Class Certificates.

1. Robert Lindsay, M.A. (Prize).	3. James W. Macfarlane.
2. William D. Allan.	

Second-Class Certificates.

1. Alexander F. Cook.	3. Thomas Blackwood.
2. James Crerar.	

*Winter Session, 1915-16.*

J. N. Cruickshank obtained the "John Burns Gold Medal" and a First-Class Certificate.

## First-Class Certificates.

Kenneth J. T. Wilson.  
Alexander B. Stich, B.Sc.

Humphrey Robertson, M.A.

## Second-Class Certificates.

James Steel.  
Thomas Gray.

Fred. R. Lubovius.

## PATHOLOGY.

PROFESSOR ROBERT MUIR, M.A., M.D., F.R.S.

Special Certificate (in lieu of Medal).

Margharita M. L. Couper, } Equal.  
Morris Hyman,

## First-Class Honours.

1. { Margharita M. L. Couper, } Equal.  
Morris Hyman,
3. { William M. Kerr, } Equal.  
William Napier,
5. Archibald S. Strachan, M.A., B.Sc.

## Second-Class Honours.

6. Elizabeth C. Loudon.
7. { Robert E. Kerr, } Equal.  
Margaret G. M'Vey,

Absent from one examination.

## Second-Class Honours.

Wm. Dempster, M.A.

## PRACTICAL PATHOLOGY.

PROFESSOR ROBERT MUIR, M.A., M.D., F.R.S.

*Summer Session, 1915.*

## Medallists.

William R. D. Hamilton, } Equal.  
Jules S. Martin, M.A.,

## First-Class Honours.

1. { William R. D. Hamilton, } Equal.
3. { Jules S. Martin, M.A., } Equal.
3. John Marshall.
4. Robert Aitken.
5. { William Adams, } Equal.
- James Moffat,
7. { Henry B. Sergeant, } Equal.
- George Young,
9. George Lean, B.Sc.
10. Robert J. L. Fraser.
11. { James M. Downie, B.A., } Equal.
- James H. Shearer,

## Second-Class Honours.

13. Donald J. M'Kinnon.
14. John L. Rowlands.
15. { William H. Kerr, M.A., } Equal.
- Kenneth M'Alpine,
17. { Thomas Forrest, } Equal.
- John A. Jenkins,
19. Walter W. Forsyth.
20. James R. R. Holms.
21. { Humphrey Robertson, M.A., } Equal.
- William Young,
23. { Edward P. Irving, } Equal.
- David S. Mitchell,
- Clarence L. Somerville,
- Alexander B. Stich, B.Sc.,

## DEGREE AND PRIZE LIST.

## PATHOLOGY (ST. MUNGO—NOTMAN—CHAIR).

PROFESSOR JOHN H. TEACHER, M.A., M.D.

## HONOURS LIST.

First-Class Certificate (Special) in lieu of Medal.

Andrew B. M. Lang, M.A.

Second-Class Certificates (in order of Merit).

Jane E. Hanson.

Lydia I. H. Torrance.

Grace A. Fleming.

## PRACTICAL PATHOLOGY.

PROFESSOR JOHN H. TEACHER, M.A., M.D.

*Summer Session, 1915.*

Medal and First-Class Certificate.

Margaret H. Glen.

First-Class Certificates (in order of Merit).

Grace L. Hunter.

Robina S. Mackinnon.

Second-Class Certificates (in order of Merit).

Mary M. Weir, M.A.

Jessie B. MacLachlan.

Jessie N. Robertson.

May I. T. Reid.

Jean M. Crawford.

Elizabeth C. M'Haffie, M.A.

## MEDICAL JURISPRUDENCE AND PUBLIC HEALTH.

PROFESSOR JOHN GLAISTER, M.D., D.P.H. (Camb.), F.R.S.E.

*Summer Session, 1915.*

## HONOURS LIST.

First-Class Certificates.

1. Robert N. Walker, M.A. (Medallist).

2. { William M. Cameron, } Equal.

3. { James Steel, }

3. Henry F. Hollis.

Second-Class Certificates.

1. William H. Kerr, M.A.

2. { Henry D. Brown, } Equal.

2. { James P. Broom, }

3. { Mary H. Routledge, }

3. Henry B. Sergeant.

4. { Annetta G. T. Anderson, } Equal.

4. { James M. Downie, B.A., }

4. { William H. Palmer, }

4. { Mary M. Weir, M.A., }

## ANATOMY.

PROFESSOR THOMAS H. BRYCE, M.A., M.D.

Junior and Senior Lecture Courses.

Special Certificate in lieu of Medal and First-Class Certificate.

Archibald D. Brown.

First-Class Certificate.

Peter MacMurray.



## Second-Class Certificates (in order of Merit).

John Pollock.	John S. W. Blacklock.
John Whitelaw, M.A.	John Hewitt.
William M. Kennedy.	Andrew M. Robertson.
Donald Stewart, M.A.	James G. Campbell.
William J. Payne.	Alan J. Macartney.

## PRACTICAL ANATOMY.

PROFESSOR THOMAS H. BRYCE, M.A., M.D.

On results of Examinations in the five terms of the complete Course.

*Summer Session, 1915.*

## First-Class Certificates (in order of Merit).

Duncan M. Blair.	Andrew Henderson,	} Equal.
James Johnston,	George M. Wishart,	
John Nicol,	John Donald.	

## Second-Class Certificates.

Morris Hyman.	John M. Melvin.
Robert M. Wilson.	

## SYSTEMATIC EMBRYOLOGY.

Lecturer—JAMES F. GEMMILL, M.A., M.D., D.Sc.

*Summer Session, 1915.*

## First-Class Certificates (in order of Merit).

Duncan M. Blair,	} (Prize—Equal).	Morris Hyman.
Norman B. Peacock,		Archibald D. Brown.
George M. Wishart.		

## PRACTICAL CLASS.

## First-Class Certificate of Merit.

George M. Wishart.

## PRACTICAL PHYSIOLOGY.

(HISTOLOGICAL, EXPERIMENTAL AND CHEMICAL.)

PROFESSOR D. NOËL PATON, M.D., B.Sc.

1914-15.

## First-Class Certificates.

John M. Melvin.	Mary J. Macdonald.
James Johnston.	John W. Peden.
Elizabeth C. Loudon.	

## Second-Class Certificates.

Thomas Anderson.	Janet W. Hepburn.
Peter A. Mackay.	Grace A. Fleming.
Lydia I. H. Torrance.	Ralph P. Smith.
John Nicol.	Samuel B. Borthwick.
Rod. Bethune.	Hugh A. Cochrane.
Isabella Q. M'Fadzean.	Donald M'Lean.
Donald C. Bowie.	Robert E. Kerr.
Adolph S. Van Coller.	James M. Ritchie, M.A.
Duncan M. Blair.	Barclay Barrowman.
John Donald.	Robert M. Gardner.
Jane E. Hanson.	

## MATERIA MEDICA AND THERAPEUTICS.

PROFESSOR RALPH STOCKMAN, M.D.

## Second-Class Certificates.

John G. Harrower.	Wm. S. L. McLeish.
Adam S. Goudie, M.A.	Margharita M. L. Couper.
William Napier.	Grace Chatterton.
John M. Melvin.	Janet W. Hepburn.
Robert E. Kerr.	Jane E. Hanson.
Harold D. Wallace.	George M. Wishart.
Alexander Black.	

## PRACTICAL PHARMACY.

PROFESSOR RALPH STOCKMAN, M.D.

*Summer Session, 1915.*

## First-Class Certificates.

John G. Harrower (Medal).  
George M. Wishart.

## Second-Class Certificates.

Samuel B. Borthwick.  
Michael J. Cahalane.

## BOTANY.

PROFESSOR F. O. BOWER, Sc.D., F.R.S.

*Summer Session 1915.*

## WRITTEN EXAMINATION.

## First-Class Certificate.

John C. Grant (Medal).

## Second Class Certificates.

William L. Templeton.	Archd. J. Cronin, }	Equal.
Eliz. P. Cameron. }	Catriona Sinclair, }	
Robert G. Howat, }	John F. Hamilton, }	Equal.
Gilbert Paterson.	Robert Mair, }	
Margt. M. Paterson.	John W. S. Blacklock, }	
Daniel Montague.		

## Creditable Mention.

Andrew Y. P. Johnston, }	John S. Nisbet, }	Equal.
Walter R. Allan, }	John Kirk, M.A., B.Sc., }	Equal.
Thomas Fletcher.	Peter A. Faichney, }	
Wm. M. Kennedy, }	Marion P. Hogg, }	Equal.
John E. Jeffrey, }	Mary C. Walker, }	
Ian M. Sandilands, }		
John G. Drew, }		
Noel E. Stone, }		

## PRACTICAL EXAMINATION.

## First-Class Certificate.

Thomas Fletcher (Medal).

## Second-Class Certificates.

William L. Templeton.	Alan P. Agnew, }	Equal.
John G. Coltart.	Emily L. Clow, }	
John W. S. Blacklock.		

## Creditable Mention.

Archibald J. Cronin, }	Wm. H. Stevenson.
Agnes H. M. Young, }	Alex. Chisholm, }
Daniel Montague.	Edith D. Dobbie, }
Walter R. Allan.	Equal.

## SPECIAL CLASS FOR M.A. AND FIRST B.Sc.

Lecturer—JOHN M'L. THOMPSON, M.A., B.Sc.

1914-15.

## First-Class Certificates.

Matthew Jackson.	Andrew Scott.
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## Second-Class Certificates.

Margaret H. Grant.	Williamina P. Main.
Mary Grimes.	Marion F. Paterson.

## ZOOLOGY.

PROFESSOR JOHN GRAHAM KERR, M.A., F.R.S.

*Winter Session, 1915.*

## HONOURS LIST.

## LECTURE CLASS.

## First-Class Honours.

Alan P. Agnew,	} Equal.	Thomas Gibson.
Alexandrena M. MacLennan,		Archibald R. Cook.
Helen F. Wingate,		George H. Macartney.
(Miss) Christian M. Fleming.		Brünnhilde M. Grieve.
Robert D. Gillespie.		James M'Nair.
Elsie F. Farquharson, M.A., }	} Equal.	Henry E. Seiler.
Isabel E. R. Jeffrey,		William L. Templeton.
Thomas S. Sargent, M.A.		Mary C. Walker.
John Wyllie, M.A., }	} Equal.	
Elizabeth H. M. Slimmon,		

## Second Class Honours (in alphabetical order).

Stewart Caldwell.	Archibald Rae.
James L. Halliday.	Alexander H. Rankin.
David R. Hamilton.	Archibald V. Steen.
Margaret L. Johnston.	Helen B. Sutherland.
Mary J. Macfarlane.	Carolina J. Tessier.
Alexander M. M'Clure.	George Tudhope.
Dora H. Macqueen.	Mary L. Wilson.
Janet D. Montgomery.	Agnes H. M. Young.
Joanna T. Rae.	

## PRACTICAL CLASS.

## First-Class Honours.

John Wyllie, M.A. (Special Prize).  
 Robert D. Gillespie (*proxime accessit*).

## Honours Certificates (in alphabetical order).

Alan P. Agnew.	James M'Nair.
Stewart Caldwell.	Dora H. Macqueen.
Edith M. Davidson.	Marguerite L. Sclanders.
Charles Glen.	George Tudhope.
Henry J. M'Bride.	Agnes H. M. Young.
Janet W. M'Cutcheon.	

## DEGREE AND PRIZE LIST.

## MEDICAL PHYSICS.

Lecturer—JAMES G. GRAY, D.Sc.

*Summer Session, 1915.*

Medal.

Thomas Fletcher.

First-Class Certificates.

Thomas Fletcher.  
 John F. Hamilton.  
 William M. Kennedy.  
 William M'Kendrick.

John S. Nisbet.  
 John G. Robertson.  
 William L. Templeton.

## SYSTEMATIC CHEMISTRY.

Lecturers—DR. T. S. PATTERSON and DR. C. H. DESCH.

Special Certificate in lieu of "Joseph Black" Medal.

John B. Sandford.

First-Class Certificates (In alphabetical order).

Alan P. Agnew.  
 John Chalmers.  
 Archibald N. Currie.  
 Thomas Fletcher.  
 Robert D. Gillespie.  
 James L. Halliday.  
 Walter P. M'Culloch.  
 Thomas J. M'Kail.  
 James M'Nair.

George W. Murray.  
 Herbert J. Sheppard.  
 Alexander Symon.  
 William L. Templeton.  
 James N. Tennent.  
 John Reilly.  
 Alexander G. Wardlaw.  
 Henry S. Watson.  
 John Yule.

## PRACTICAL.

*Summer Session, 1915.*

First-Class Certificate.

George Hunter.

## ORGANIC CHEMISTRY.

Lecturer—T. S. PATTERSON, Ph.D., D.Sc.

*Session 1914-15.*

Certificates of Merit.

- |                                     |                                   |
|-------------------------------------|-----------------------------------|
| 1. Catherine F. Davidson.           |                                   |
| 2. James Picken.                    | 5. { Duncan M. M'Intyre, } Equal. |
| 3. { Elizabeth MacDougall, } Equal. | { Wm. Monteith, } Equal.          |
| { Kishori L. Moudgill, }            | { Barbara Scott, }                |

## ENGINEERING.

PROFESSOR J. D. CORMACK, D.Sc., M.Inst.C.E.

George Harvey Prize.

Charles P. Tanner.

CLASS IV.

1. Charles P. Tanner.  
 2. Ghanta V. Rao.

3. Jogendra C. Roy.

Next in order.

Bangsidhari Paul.

CLASS II.

1. Matthew M. Waters.

2. George M. M'Kelvie.

Next in order.

John N. C. Weir.

## MINING.

PROFESSOR CHARLES LATHAM, M.Inst.M.E.

## CLASS I.

## First-Class Certificates.

William Glancy.

Phanindra N. Nandi.

## GEOLOGY.

PROFESSOR JOHN W. GREGORY, D.Sc., F.R.S.

## PART I.

## First-Class Certificates.

Catherine Boyd (with Cowie Prize).

George M. M'Kelvie.

Mary M'Aloon.

Dorothy M. P. Martin.

Rose Jacobs.

## Second-Class Certificates.

Alexander G. Wardlaw.

Hilda M. Clegg.

Robert M. Woodburn.

Henrietta E. G. Robertson.

Sarah Macnab.

Catherine C. S. Hay.

Jessie Sharp.

Grace L. Keay.

Roberta R. Cook.

John N. C. Weir.

David Mackenzie.

Jeanie M. Sutherland.

Agnes M. Leggate.

Raja Ram, B.Sc.

Robert Linn.

Mary C. M'Coll.

Isabella Turnbull.

Alexander J. MacKenzie.

Isobel R. Hill.

## PART II.

## Second-Class Certificates.

Catherine Nicolson, M.A.

Margaret Curran, M.A.

John E. Campbell, M.A.

Andrew M. Bryan.

Matthew Houston.

## LATIN.

PROFESSOR JOHN S. PHILLIMORE, M.A.

## HONOURS CLASS (ADVANCED).

Ramsay Gold Medal.

Margaret S. Shedden.

Cowan Gold Medal (Blackstone Examination).

Jeanie G. M'Culloch.

No Muirhead Prizes or Ordinary Class Prizes are awarded this year.

## ORDINARY CLASS.

Certificates of Distinction in order of merit.

Cowan Gold Medal.

Margaret B. B. Mitchell (Rosslyn Terrace School, Glasgow.)

## Certificates of Distinction.

2. Elizabeth B. Scott (High School of Stirling).
3. Catharine Boyd (Ardrossan Academy).
4. Annie D. Taylor (Falkirk High School).
5. John Gore (St. Aloysius' College, Garnethill).
6. Alice M. Barbour (Glasgow High School for Girls).
7. Lillian M'Donald (Queen's Park H.G. School, Glasgow).
8. William Wallace (Kilmarnock Academy).
9. James MacMillan (Ayr Academy).
10. Margaret L. Welsh (Dalziel H.G. School, Motherwell).

## DEGREE AND PRIZE LIST.

11. Mary F. M'Lean (Arbroath High School).
12. Adrienne C. Fallet (Woodside H.G. School, Glasgow).
13. { John P. Baillie (Hamilton Academy).  
William M'Lachlan (Hutchesons' Boys' Grammar School, Glasgow).
14. Maggie M. King (Ardrossan Academy).
15. Agnes W. Maxwell (Queen's Park H.G. School, Glasgow).
16. Rose M. Fitzpatrick (Notre Dame, Dowanhill).
17. Mary N. M. C. M'Vean (Bellshill Academy).
18. Hugh G. Fraser (Irvine Royal Academy).
19. Janet J. M'Connell (Ayr Academy).
20. George G. Honeyman (High School of Glasgow).

## ROMAN HISTORY AND ANTIQUITIES.

Lecturer—S. N. MILLER, M.A.

Distinctions (History and Unseen Translation).

Jeanie Gladys M'Culloch.

Special Certificate in lieu of Prize (History).

Jeanie Gladys M'Culloch.

## GREEK.

PROFESSOR GILBERT A. DAVIES, M.A.

## INTERMEDIATE (HONOURS) DIVISION.

First-Class Certificates (in order of Merit).

1. Jeanie G. M'Culloch (Scott-Macfarlan Gold Medal).
2. Robert J. Drainer.

## ORDINARY DIVISION.

First-Class Certificates (in order of Merit).

1. Mary Ferrier M'Lean (Jeffrey Gold Medal).
2. John P. Baillie.

Cowan Gold Medal (Blackstone Examination).

(No entries.)

## ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR W. MACNEILE DIXON, M.A., Litt.D., LL.B.

Prizes and First-Class Certificates.

## ORDINARY CLASS.

Prizes.

- |                                      |                    |
|--------------------------------------|--------------------|
| 1. John M. Lothian (Buchanan Prize). | 3. William Carson. |
| 2. Andrew Borland.                   |                    |

First-Class Certificates (in order of Merit).

- |                      |                           |
|----------------------|---------------------------|
| 1. Charles J. Jeans. | 4. William S. Calderwood. |
| 2. Elias Bloch.      | 5. Robert S. Milligan.    |
| 3. William Jeffrey.  | 6. Neil K. W. Wilson.     |

## INTERMEDIATE CLASS (PASS SECTION).

Prizes.

- |                        |                     |
|------------------------|---------------------|
| 1. Ruth E. Marwick.    | 3. Mary A. Laidlaw. |
| 2. Anne H. M'Allister. |                     |

## First-Class Certificates (in order of Merit).

- |                          |                       |
|--------------------------|-----------------------|
| 1. Mary W. Ballantyne.   | 4. Elizabeth Douglas. |
| 2. Agnes F. Adamson.     | 5. John H. Herbert.   |
| 3. Malcolm M. Macintyre. |                       |

## INTERMEDIATE CLASS (JUNIOR HONOURS SECTION).

## A. LITERATURE.

## Prizes.

- |                |               |
|----------------|---------------|
| 1. Mary Grant. | 2. John Burt. |
|----------------|---------------|

## First-Class Certificates (in order of Merit).

- |                       |                        |
|-----------------------|------------------------|
| 1. Alexander C. Dunn. | 2. Jessie L. M'Gregor. |
|-----------------------|------------------------|

## B. LANGUAGE.

Lecturer—RITCHIE GIRVAN, M.A.

## Prize.

John Burt.<sup>1</sup>

## HONOURS CLASS—LANGUAGE SECTION (ADVANCED).

- |  |                        |
|--|------------------------|
| 1. Marjorie M. Ferguson (E.E. Text Society's Prize). | 2. Mary M. Macdermott. |
|  | 3. Jean S. C. Thom.    |

Bradley Medal.

Mary Grant.

## FRENCH LANGUAGE AND LITERATURE.

Interim Lecturer—DR. R. L. G. RITCHIE.

## Prizes and Class Certificates.

## HONOURS (SENIOR AND JUNIOR).

## Prizes.

- |                             |          |
|-----------------------------|----------|
| 1. Catherine Daly.          |          |
| 2. { Margaret H. Simpson, } | } Equal. |
| { Marie S. Fallet, }        |          |

## First-Class Certificates (in alphabetical order).

Margaret F. Adams.	Agnes T. Husband.
Margaret S. Anderson.	Jessie G. Jarvie.
Euphemia D. C. Grandison.	Margaret S. Shedden.
Eleanora Hunter.	Margaret S. C. Sturrock.

## HIGHER OR INTERMEDIATE.

## Prizes.

- |                           |          |
|---------------------------|----------|
| 1. Helen L. Fletcher.     |          |
| 2. { Andrew P. Lochrie, } | } Equal. |
| { Maud N. Bisset, }       |          |

## First-Class Certificates (in alphabetical order).

Annie M. Anderson.	Mary D. Miller.
Mary M. T. Campbell.	Helen D. Nimmo.
Heather R. M. Dewar.	Elizabeth M. Norval.
Margaret E. Jack.	Flora M. Smith.

## ORDINARY.

## Prizes.

- |                        |
|------------------------|
| 1. Adrienne C. Fallet. |
| 2. Lillian M'Donald.   |
| 3. Mary B. Selkirk.    |

<sup>1</sup> Mr. Burt also gains E.E. Text Society's Prize.

## DEGREE AND PRIZE LIST.

## First-Class Certificates (in alphabetical order).

Flora Armstrong.	James M'Millan.
Alice M. Barbour.	Annie M. MacNicol.
Annie P. Coupland.	Jean B. Riddell.
Catherine G. Fulton.	Jessie F. Robb.
Ida Laird.	Janet F. Rodger.
Christina M'Donald.	Elizabeth B. Scott.
Eliza A. M'Kinven.	Muriel Townend.
Annie W. M'Lay.	Margaret L. Welsh.

## GERMAN LANGUAGE AND LITERATURE.

Lecturer—HERBERT SMITH, M.A., Ph.D.

## ORDINARY CLASS.

## Prizes and First-Class Certificates.

1. Eliza A. M'Kinven.
2. { Dorothy M. Brelsford, } Equal.
- { Janet N. Phemister, }
4. Ida Laird.

## First-Class Certificates.

Janet Hamilton.	Mary S. Richardson.
Mary B. Selkirk.	Ella G. S. M'Donald,
Isabella Turnbull.	Margaret J. M'Intosh, } Equal.

## INTERMEDIATE AND FIRST YEAR HONOURS CLASS.

## Prize and First-Class Certificate.

Helen D. Nimmo.

## First-Class Certificates.

Barbara R. Barr.	Helen I. M'Broom.
Margaret M. M. M'Kechnie.	

## HONOURS CLASS.

## Prizes and First-Class Certificates.

1. { Elsie J. Paul, } Equal.
- { Julia M. Paul, }
- { Margaret S. C. Sturrock, }

## First-Class Certificates (in alphabetical order).

Elizabeth S. Forbes.	Rose Jacobs.
Eleanor Hunter.	Marion B. Russell.

## ITALIAN.

Lecturer—ERNESTO GRILLO, B.A., Litt.D., LL.D.

## Prizes and Certificates of Merit.

## ORDINARY.

Marion B. Russell.	Heather R. M. Dewar.
(Mrs.) Jenny T. Logan, M.A.	

## HONOURS AND HIGHER.

Marie S. Fallet.	Dorothy Creedon.
------------------	------------------

## Italian Literature for English Honours.

John Clarke.



## LOGIC AND METAPHYSICS.

PROFESSOR ROBERT LATTA, M.A., D.Phil.

## HONOURS CLASS.

First-Class Certificate of Merit.

John Anderson.

## ORDINARY CLASS.

Prize and Prize Certificates.

- |                                     |                         |
|-------------------------------------|-------------------------|
| 1. William Carson (Buchanan Prize). | 4. Jane F. Healey, B.A. |
| 2. Ruth E. Marwick.                 | 5. Russell Walker.      |
| 3. George P. M'Nicol.               | 6. Agnes T. Husband.    |

First-Class Certificates of Merit (in alphabetical order).

- |                       |                     |
|-----------------------|---------------------|
| Dorothy M. Brelsford. | Thomas M. Scott.    |
| Florence M. Campbell. | Margaret A. Sloane. |
| Heather R. M. Dewar.  | Charles M. Smith.   |
| Janie W. Dove.        | John Taylor.        |
| Thomas Harper.        | David G. Wylie.     |
| Jeanie G. M'Culloch.  |                     |

## MORAL PHILOSOPHY.

PROFESSOR SIR HENRY JONES, M.A., LL.D., D.Litt., F.B.A.

## HONOURS CLASS.

Marion C. Alston,	} (Prize—Equal).
Charlotte M. Fleming,	

## INTERMEDIATE CLASS.

Prize and First-Class Certificate.

1. Thomas G. Dunning.

First-Class Certificate.

2. Russell Walker.

## ORDINARY CLASS.

Prizes and First Certificates.

- |                 |                                |
|-----------------|--------------------------------|
| 1. Elias Bloch. | 3. { John M. Lothian, } Equal. |
| 2. John Clarke. |                                |

First-Class Certificates (in order of Merit).

- |                  |                          |
|------------------|--------------------------|
| Samuel Weir.     | George M'Willie.         |
| John H. Herbert. | Elizabeth S. MacFarlane. |
| Wm. Carson.      |                          |

## POLITICAL ECONOMY.

PROFESSOR W. R. SCOTT, M.A., D.Phil., Litt.D., F.B.A.

First (and Alexander Smart Memorial Prize of £10).

Thomas G. Dunning.

- |                           |                      |
|---------------------------|----------------------|
| 2. John Anderson.         | 4. Israel Levine.    |
| 3. William S. Calderwood. | 5. Alice M. Vaughan. |

## EDUCATION.

Lecturer—WILLIAM BOYD, M.A., B.Sc., D.Phil.

Prizes and First-Class Certificates.

- |                               |          |
|-------------------------------|----------|
| 1. Margaret C. Paton, M.A.    | } Equal. |
| 2. { Agnes M. Grierson, M.A., |          |
| Ellen Hill, M.A.,             |          |
| 4. Thomas A. Blake, M.A.      |          |

First-Class Certificate.

Anne H. M'Allister.

## DEGREE AND PRIZE LIST.

## MATHEMATICS.

PROFESSOR GEORGE A. GIBSON, M.A., LL.D.

## ADVANCED HONOURS CLASS

Second Year Students.

1. Elsie J. Ternouth (Special Certificate).
2. Lilius M'Gregor (First-Class Certificate).

## INTERMEDIATE HONOURS CLASS.

Special Certificates.

1. Jean C. Armishaw (Senior Muir Bursary).
2. Muriel I. Macdonald.<sup>1</sup>

First-Class Certificates.

3. James F. Shearer.
4. Francis J. M'Gregor.
5. Amy M. Fleming.

## HIGHER ORDINARY CLASS.

First-Class Certificates.

1. Janet F. Rodger.
2. Helen J. M'Creath.

## ORDINARY CLASS (DIVISIONS A, C, D).

Special Certificate.

1. Isa W. Pyper (C).

First-Class Certificates.

2. John B. Sandford (A).
3. William N. Neilson (A).
4. Margaret C. Mackie (D).

## FIRST COURSE FOR ENGINEERS.

First-Class Certificate.

Ernest C. M'Laren.

## SECOND COURSE FOR ENGINEERS.

First-Class Certificate.

Faquir C. Kapoor.

## NATURAL PHILOSOPHY.

PROFESSOR ANDREW GRAY, M.A., LL.D., F.R.S.

## HIGHER CLASS—SECTION A.

First-Class Certificate and Special Certificate in lieu of Prize.

Jessie M. Younger.

First-Class Certificate.

Elsie J. Ternouth.

## HIGHER CLASS—SECTION B.

First-Class Certificate.

Hans G. J. H. Sommerfeldt.

## HIGHER CLASS—SECTION C.

(None.)

<sup>1</sup> The second half of the Junior Muir Bursary for 1914-15, vacated by Miss Armishaw, has been awarded to Miss Macdonald.

## ORDINARY CLASS.

## First-Class Certificates (in order of Merit).

Jean C. Armishaw (Cleland Gold Medal).  
 John B. Sandford (Special Certificate in lieu of Second Prize).  
 Mary W. Ramsay (Special Certificate in lieu of Third Prize).  
 Muriel I. Macdonald (Special Certificate in lieu of Fourth Prize).  
 William Coulter. Sarah J. Maccoll.  
 Charles Buchanan. Henry S. Watson.

## PHYSICAL LABORATORY.

## ADVANCED PHYSICAL LABORATORY.

## First-Class Certificates.

*Whole Winter Session, 1915-16.*

James Scobie.

*Half Winter Session, 1915-16.*

Eric W. M. Heddle.

## ORDINARY PHYSICAL LABORATORY.

## First-Class Certificates.

*Whole Winter Session (in alphabetical order).*

Jean C. Armishaw.

Christina M. Pearson.

Henry B. Homan.

*Half Winter Session (in alphabetical order).*

John Milloy.

John B. Sandford.

## ELECTRICITY, PURE AND APPLIED.

Lecturer—GEORGE E. ALLAN, D.Sc.

## First-Class Certificate.

Matthew M. Waters.

## GEOGRAPHY.

Lecturer—JOHN D. FALCONER, M.A., D.Sc.

## Certificates of Merit.

## Special Certificates in lieu of Prizes.

William B. Buchanan (First Prize).

Benjamin H. Barrett,

Walter R. Scott (Second Prize).

Violet P. Fulton,

Christina M. Pearson,

} (Third Prize)  
Equal.

## First-Class Certificate.

Agnes L. H. M'Kie.

## Second-Class Certificates.

Neil MacLean.

Martha F. L. S. Porteous.

Margaret S. Bryson.

Grace L. Keay.

Ruby Dunn.

Annie P. Coupland.

## HISTORY.

PROFESSOR DUDLEY J. MEDLEY, M.A.

## HIGHER ORDINARY CLASS.

## Prizes.

1. Elizabeth C. Knox.

2. { Elizabeth B. Coghill, } Equal.  
{ Walter R. Scott, }

## Certificate.

Annie Baird.

## ORDINARY CLASS.

## Prizes.

- |                         |                       |
|-------------------------|-----------------------|
| 1. Katharine H. Mellor. | 3. Susie D. Thirkell. |
| 2. Isabella G. Mailer.  | 4. Jessie F. Robb.    |

## Certificates.

- |                                   |  |
|-----------------------------------|--|
| 1. { Williamina P. Main, } Equal. | 4. William Jeffrey.                    |
| 2. { James A. Greig, } Equal.     | 5. { Mary W. Ballantyne, } Equal.      |
| 3. Dorothy Wilson.                | 6. { Marion E. F. Macwilliam. } Equal. |

## SCOTTISH HISTORY AND LITERATURE.

PROFESSOR ROBERT S. RAIT, M.A.

## Distinction.

- |                           |                           |
|---------------------------|---------------------------|
| 1. Sophia G. F. Muirhead. | 2. Elizabeth M. Hamilton. |
|---------------------------|---------------------------|

## WOMEN'S DEPARTMENT.

## CHEMISTRY.

Lecturer—H. W. BOLAM, B.Sc., Ph.D.

## I. SYSTEMATIC CLASS.

## First-Class Certificates.

- Margaret L. Johnston (and Special Certificate in lieu of Medal).
- Helen F. Wingate.

## Second-Class Certificates.

- |                                   |   |
|-----------------------------------|---|
| 3. Alexandrena M. Maclellan.      | 7. { Elsie F. Farquharson, M.A., } Equal. |
| 4. { Marjorie C. Holmes, } Equal. | 8. { Jane C. MacDonald, } Equal.          |
| 5. { Mary C. Walker, } Equal.     | 9. { Minnie C. Scouller, } Equal.         |
| 6. Mary J. Macfarlane.            |   |

## II. PRACTICAL CLASS (FACULTY OF MEDICINE).

## First-Class Certificates.

- |  |  |
|--|--|
| 1. { Edith M. Davidson, } Equal.       | 10. { Mary B. Grant, } Equal.            |
| 2. { Mary C. Walker, } Equal.          | 11. { Alexandrena M. Maclellan, } Equal. |
| 3. { Christian M. Fleming, } Equal.    | 12. Elizabeth J. Findlay.                |
| 4. { Marguerite L. Sclanders, } Equal. | 13. { Ellen B. Cowan, } Equal.           |
| 5. Helen F. Wingate.                   | 14. { Martha D. Devon, } Equal.          |
| 6. { Mary E. Berry, } Equal.           | 15. { Effie Niblock, } Equal.            |
| 7. { Jean M. Mackintosh, } Equal.      | 16. { Elizabeth Young, } Equal.          |
| 8. { Mary L. Wilson, } Equal.          | 17. Mary A. Grant.                       |
| 9. { Agnes H. M. Young, } Equal.       |  |

## Second-Class Certificates (in alphabetical order).

Mary Baird.  
 Elizabeth M. V. H. B. Bird.  
 Margaret W. Blackwood.  
 Marion C. Boyd.  
 Elizabeth M. Brown.  
 Lillias E. B. Buchanan.  
 Annie B. Cooke.  
 Simone Denil.  
 Elsie F. Farquharson, M.A.  
 Muriel M. Gilmour.  
 Brünnhilde M. Grieve.

Margaret L. Johnston.  
 Jane C. MacDonald.  
 Mary J. Macfarlane.  
 Margaret Macintosh.  
 Marie J. M'Naught.  
 Marjorie Mitchell.  
 Elizabeth S. Reid.  
 Elizabeth H. M. Slimmon.  
 Carolina J. Tessier.  
 Margaret Y. Turnbull.

## ANATOMY.

Lecturer—WILLIAM K. HUTTON, M.A., M.B.

## First-Class Certificates.

Elizabeth P. Cameron.	Evelyn C. M. M'Gregor,	} Equal.
Georgina Murdoch.	Muriel A. Stowe	

## Second-Class Certificates.

Margaret H. Grant.	} Equal.
Mary T. L. Clark.	
Helen C. Cameron.	
Marion P. Hogg,	
Alice M'Elwee,	
Margaret E. M'Laren,	} Equal.
Louisa E. Pigeon,	
Helen Hogg,	
Lillian J. T. White,	
Edith Chalmers.	

## Special Second-Class Certificate.

Louise Denil.

## ENGLISH.

PROFESSOR W. MACNEILE DIXON, M.A., D.Litt., and JOHN S. SMART, M.A., D.Litt.

## Prizes.

1. { Catherine Daly,
- { Agnes E. Macdonald, } (Nichol Memorial Prize—Equal).
3. Margaret Love.
4. { Barbara R. Barr,
- { Florence M. Campbell, } Equal.
6. Alice M. Semple.

## First-Class Certificates.

Annie Baird.	Susie D. Thirkell.
Dorothy Wilson.	Annie M. Anderson.

## Second-Class Certificates.

Katherine M. Buie.	Muriel E. Drummond.
Isabella Turnbull.	Lizzie Chalmers.
Iris Hamilton.	Isabella M. Fulton.
Maud N. Bisset.	Violet P. Fulton.
Dora H. Macqueen.	J. I. Annie M. M. Macrae.
Elizabeth L. Hamilton.	

## LOGIC.

Lecturer—WILLIAM ANDERSON, M.A.

## Prize Certificate.

Elsie J. Paul.

## First-Class Certificates.

Mary M. T. Campbell.	Sarah J. Maccoll.
Helen D. Nimmo.	

N.B.—For other Prizes and Certificates gained by Women Students, see the various Lists preceding those headed "Women's Department."

*XIII.—VACATION EXERCISES, Etc.,*  
FOR 1916-17.

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HEBREW CLASSES.

I. For members of the Senior Hebrew Class of 1915-16 :

1. An essay on the purpose and argument of the book of Job.
2. An original composition in Biblical Hebrew on a subject chosen by the student.

II. For members of the Junior Hebrew Class of 1915-16 :

An essay on the evidence of the Old Testament regarding the character of the Hebrew Calendar.

Essays and compositions to be given in not later than the end of October, 1916.

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GREEK CLASS.

Open to any Member of the Ordinary Division, Session 1915-16.

An essay on "Sparta and Prussia."

More than one prize may be given for the competition.

The exercises to be sent in by the end of October, 1916.

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CLASS OF BOTANY.

HERBARIUM PRIZE. See p. 140.

#### XIV.—GLASGOW PROVINCIAL COMMITTEE FOR THE TRAINING OF TEACHERS.

*Chairman*—Rev. John Smith, D.D.

*Convener of Studies Committee*—Rev. James Murray, M.A.

*Convener of Bursaries Committee*—Professor Magnus Maclean, D.Sc.

*Director of Studies*—D. Macleod, M.A.

*Master of Method*—Hugh M'Callum, M.A.

*Warden of Women Students*—Miss Helen Rutherford, M.A.

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#### ARRANGEMENTS FOR SESSION 1916-17.

##### I. CONDITIONS OF ADMISSION TO TRAINING.

THE conditions of admission to full training at the Glasgow Centre are as follows :

The following classes of persons are eligible for admission :

1. Persons who have obtained the Junior Students' Certificate (Arts. 10-13).<sup>1</sup>

2. (a) Persons who have been awarded a Leaving Certificate, and who, after a Preliminary Course of Practical Training, taken under conditions approved by the Department for the purpose, have obtained satisfactory reports similar to those required of Junior Students in terms of Articles 11 and 12. In the case of persons who have had no opportunity of obtaining a Leaving Certificate, evidence of the successful completion of an equivalent course of instruction may be accepted in lieu thereof by the Department (Article 15 (b) 1 and footnote).

(b) Persons who satisfy the conditions of the foregoing paragraph, except as regards the Preliminary Course of Practical Training and the relative report, may be admitted to a *four years' course of training* on condition that the Preliminary Practical Training will be taken as an addition to their professional course at the Training Centre, and that the report of the principal teacher of the school attended (see Article 12) includes a recommendation of the candidate as giving reasonable promise of becoming an efficient teacher.

3. Persons qualified for admission in terms of the footnote to Article 15 of the Regulations.

4. Persons already recognised as certificated teachers (untrained).

5. Graduates in Arts or Science of any Scottish University or of any University approved for the purpose (including, for the purposes of the Regulations, "Women who have been placed in the Class Lists of one or other of the Final Honours Examinations in the University of Oxford or the University of Cambridge," and "Candidates who are

<sup>1</sup> The articles referred to are articles of the Regulations for the Training of Teachers, 1913, published by Messrs. Oliver & Boyd, price 4d., by post 5d.

qualified for an ordinary degree but have deferred graduation *for reasons approved by the Department*”) who—

(1) Have satisfactorily completed a Preliminary Course of Practical Training under Article 11 or Article 15 (b) 1 (see 2 (a) above), or

(2) Not having taken such a Preliminary Course, satisfy the Training Authority that they give reasonable promise of becoming efficient teachers.

*Note.*—Students admitted under this Sub-Section will be required to take a longer course of training. (See Article 25.)

*N.B.*—“A satisfactory certificate as to health and physical fitness in a form prescribed by the Department” must be produced by every candidate (Art. 16).

## II. INFORMATION REGARDING FEES AND BURSARIES OR MAINTENANCE ALLOWANCES AND AFTER SERVICE.

1. By Article 30 Training Authorities are enjoined to charge suitable fees; but they are empowered, on good cause being shown, to remit the fee, in whole or in part, in the case of individual students. They are further empowered to make payment to individual students of such bursaries or maintenance allowances as, after due enquiry, they may deem necessary. These grants may now be held for four years.

2. Students who pay fees in full, and receive no bursaries or maintenance allowances, will not be bound in any way as regards their future employment; but students who receive remission of fees, or bursaries or maintenance allowances, come under an obligation to serve in day schools, as defined in Section 34 of the Education (Scotland) Act, 1908 (see footnote to Article 31), or in any other capacity which is recognised as service for the purposes of the Superannuation Scheme for Teachers, the period of service varying according to the amount of benefit received from two to five years, or more as may be hereafter determined.

3. Students who receive remission of fees, or bursaries or maintenance allowances, will be required to give adequate security for repayment, in the event of failure to give the requisite service within a specified time, of the advances made to them, or of such parts thereof as may not be cancelled by service.

4. The fees charged for the courses in the subjects of professional training are as follows:—

- (1) Fee for Four Years' Course leading up to the General Certificate, £10, payable in equal instalments annually.
- (2) Fee for the Course for Graduates leading up to the General Certificate, (a) if admitted under Article 15 (e) 1 (see 5 (1) above) £5, (b) if admitted under 15 (e) 2 (see 5 (2) above) the fee shall be £6.
- (3) Fee for optional special course leading to a qualification under Article 37 (b), £1 per subject per session.



(4) Fee for a course of professional training leading to a qualification to teach a higher subject (Article 44).

(a) For students who already hold the General Certificate, £2 10s. for each subject.

(b) For students who do not hold the General Certificate, £5 for one subject and £7 10s for two subjects.

5. The after-service required of those who receive pecuniary assistance (whether in the shape of remission of fees or of award of bursaries or maintenance allowances) must be given in day schools as defined in Section 34 of the Education (Scotland) Act, 1908, or in any other capacity which is recognised as service for the purposes of the Superannuation Scheme for Teachers. Probationary service (Article 49) given under the conditions here specified will count *pro tanto* for the purposes of Article 31.

### III. CURRICULUM.

Four Years' Courses have been arranged in terms of which students are at liberty to devote nearly the whole of their time to University work during the *first* three years, and the *last* year to Professional Training.

*First Alternative (intended for Ordinary Degree students):—*

- First Year: Two University Classes.  
Methods and Practice—90 hours.
- Second Year: Two University Classes.  
Methods and Practice—90 hours.
- Third Year: Two University Classes.  
Methods and Practice—60 hours.  
Religious Instruction—30 hours.  
(Optional) Additional Subjects or Supplementary Course.
- Fourth Year: One University Class.  
Subjects of Professional Training so far as not included in University Course.

*Second Alternative (intended for Honours Degree students):—*

- First Year: One University Class.  
Subjects of Professional Training.
- Second Year: One or Two University Classes.  
\*Psychology—30 hours.  
\*Ethics—30 hours.  
Methods and Practice—90 hours.  
Religious Instruction—30 hours.  
(Optional) Additional Subjects or Supplementary Course.
- Third Year: Two University Classes.  
\*Education—90 hours.  
Methods and Practice—90 hours.
- Fourth Year: Two or Three University Classes.  
Methods and Practice—60 hours.

\* In the case of one or more of these subjects partial or complete exemption may, with the consent of the Department, be allowed in respect of attendance on corresponding Courses of Instruction at the University.

## IV. LODGINGS AND SUPERVISION OF STUDENTS.

1. The Provincial Committee are under obligation to see that the students under their charge "are suitably lodged in approved Hostels or otherwise, and to provide for their due supervision as regards conduct" (Art. 26).

2. The Committee require every student who is not residing with parents to reside in an approved Boarding House, or in lodgings registered by the Committee, after inspection, as suitable for students (Art. 23). A list of such lodgings may be obtained on application to the Director of Studies.

The Committee conduct a Hostel for Women Students at Redlands, Great Western Road. Students resident in a Hostel are eligible for a special Hostel allowance in addition to the ordinary allowance, if any, held by them.

## V. APPLICATION FOR ADMISSION.

Forms of application for Admission to Training and for Maintenance Allowances may be obtained by applying to the Director of Studies, The Royal Technical College, Glasgow.

Intending Candidates should make early application. Only in exceptional circumstances *will applications received after 1st July be considered.*

## XV.—EXTRA-ACADEMICAL TEACHING.

N.B.—Every application for recognition must be accompanied by a payment to the University Factors, Messrs. Hill & Hoggan, 15 W. George Street, Glasgow, of a fee of £5 5s. to be placed to the credit of a fund for defraying the cost of investigation by experts of the fitness of the teacher applying, and of the accommodation, apparatus, and teaching appliances at the disposal of the teacher.

The following regulations for the recognition of Extra-Academical Teaching under Ordinances Nos. 12, 14, 23, and 134, were adopted by the University Court on 14th June, 1894, and afterwards amended in June, 1905.

## IN THE CASE OF INDIVIDUAL EXTRA-ACADEMICAL TEACHERS.

I. Every application shall be made to the Secretary of the University Court and shall supply the following information :

- (a) The registrable or other qualification or qualifications of the applicant.
- (b) A statement of his opportunities of studying the subject and the length of time devoted thereto.
- (c) A statement of his experience in teaching the subject.
- (d) A note of any of his published articles or works on the subject.

- (e) The appointments which he holds as a teacher of the subject in which he requests recognition, and a statement whether the course for which recognition is sought has previously been conducted by him, and if so, for how long. If the applicant is a teacher in a Medical School, College of Science, or other similar Institution, the most recent issue of the Calendar of such School, College, or Institution, should be forwarded.
- (f) The number of meetings to which the course extends, whether each meeting is for one hour or longer, and a statement of the proportion of the course to be devoted to lectures, practical demonstrations, examinations and tutorial work. In the case of a practical course, information should be given as to the manner of conducting it, the number of examinations, oral or written, and whether or to what extent lectures or tutorial work form part of the course. It should also be stated whether, besides the teacher for whom recognition is sought, assistants or demonstrators take part in conducting the course (whether systematic or practical), and, if so, their number, qualifications, and the extent to which they take part in conducting the course. A syllabus of the subjects treated in the course and of the books proposed for the use of students should also be sent in every case.
- (g) The hour or hours at which the course is conducted.
- (h) The accommodation, apparatus, and teaching appliances provided for the class.
- (i) The teaching or examining bodies which have recognized his course.

II. In the case of an applicant conducting courses in Glasgow or its neighbourhood an inspection shall be made of his accommodation and appliances for teaching.

III. Every Extra-Academic Teacher in Glasgow whose course has been recognized under any of the Ordinances enumerated above, shall, at the commencement of each session, call the attention of his whole class to the regulations as to enrolment and payment of fee at the University by all students who desire afterwards to graduate there; he shall also call attention to the University requirements as to preliminary examination (more stringent in the case of medical students than the minimum required by the General Medical Council); and shall advise any students looking forward to a University degree to procure from the Registrar's Office a copy of the syllabus of regulations applicable to their course.

IV. Every recognized Extra-Academical Teacher shall annually within one month of the close of the session furnish the University Court with a return of

- (a) The number of students who have attended the recognized course or courses, in such manner as to qualify *pro tanto* for graduation in a Scottish University.
- (b) Any change that may have been made in the accommodation or appliances provided.

- (c) A statement showing, for the year next ensuing, the number of meetings to which the course extends, whether each meeting is for one hour or longer, and the proportion of the course to be devoted to lectures, practical demonstrations, examinations, and tutorial work. In the case of a practical course, information should be given as to the manner of conducting it, the number of examinations, oral or written, and whether or to what extent lectures or tutorial work form part of the course. It should also be stated whether, besides the recognized teacher, assistants or demonstrators take part in conducting the course (whether systematic or practical), and if so, their number, qualifications, and the extent to which they take part in conducting the course. A syllabus of the subjects to be treated in the course, and of the books proposed for the use of students, should also be sent.

V. The certificate of attendance granted by Extra-Academical Teachers should in all cases state the number of lectures or meetings for practical instruction in the course, the number of occasions on which the student was present, the fee charged, and bear that the student has duly performed the work of the class.

VI. Every candidate not being a matriculated student attending the course of an Extra-Academical Teacher in Glasgow, recognized for the purposes of graduation in Medicine or Science, must at the commencement of each year enrol his name in a book kept at the University for that purpose, paying a fee of the same amount as the matriculation fee, and having in respect thereof a right to the use of the University Library. (Ord. No. 12, § V. ; Ord. No. 14, § VIII. 5 ; Ord. No. 23, § VI. ; Ord. No. 134, § V. ; U.C. Ord. No. XXXI., § IX. 5.)

VII. The fee for attendance for the purposes of graduation on the courses of instruction of an Extra-Academical Teacher in Glasgow shall not be less than the fee for the corresponding University Class. (Ord. No. 12, § IV. 2 ; Ord. No. 14, § VIII. 6 ; Ord. No. 23, § IV. 2 ; Ord. No. 134, § V. 2 ; U.C. Ord. No. XXXI., § IX. 6.)

VIII. The Court will not in any case recognize for the purposes of graduation in Medicine the course of any teacher who teaches at the same time more than one of the subjects, except where the applicant is a professor or teacher of any endowed public college or institution, who, by the terms of his appointment, is required to teach more than one of the subjects, and in that case recognition can be granted in one subject only. (Ord. No. 14, § VIII. 7 ; U.C. Ord. No. XXXI., § IX. 7.)

IX. It is a condition of every recognition granted by the Court that it can be withdrawn or suspended at any time if the Court see fit.

X. The recognition of any teacher who fails to furnish the information required in terms of Regulation IV., or a sufficient explanation relative to such failure, or who has ceased for the period of two consecutive sessions to teach the subject in which he is recognized, shall *ipso facto* terminate.

## IN THE CASE OF SCHOOLS OR INSTITUTIONS.

I. Every application shall be made to the Secretary of the University Court, and shall supply the following information :—

- (a) A statement of the number of teachers and a detailed syllabus of the curriculum courses proposed to be given, or, in the case of practical classes, information of a similar kind.
- (b) The number and duration of lectures proposed to be given and the number of examinations, whether written or oral, deemed necessary, or in the case of a practical class, information of a similar kind. It should also be stated whether assistants or demonstrators take part in conducting the courses (whether systematic or practical).
- (c) The hours of lectures.
- (d) The teaching or examining bodies which have already recognized the curriculum or certificate of the school or institution making application.
- (e) A statement as to the accommodation, apparatus, and appliances at the disposal of the teachers in the school or institution making application.
- (f) A note of the fees proposed to be charged.

II. The Court shall, if it thinks fit, cause an inspection to be made of the accommodation, apparatus, and teaching appliances provided by the school or institution making application.

III. Every recognized school or institution shall annually within one month of the close of the session furnish the University Court with a return of

- (a) The number of students who have attended the recognized school or institution in such manner as to qualify *pro tanto* for graduation in the University.
- (b) Any change that may have been made in the accommodation or appliances provided.
- (c) A statement showing, for the year next ensuing, the number of meetings to which the courses extend, whether each meeting is for one hour or longer, and the proportion of the courses to be devoted to lectures, practical demonstrations, examinations, and tutorial work. In the case of practical courses information should be given as to the manner of conducting them, the number of examinations, oral or written, and whether, or to what extent, lectures or tutorial work form part of the courses. It should also be stated whether assistants or demonstrators take part in conducting the courses (whether systematic or practical).

IV. The certificates of attendance granted by recognized schools or institutions should in all cases state the number of lectures or meetings for practical instruction in the courses, the number of occasions on which the student was present, the fees charged, and bear that the student has duly performed the work of the classes.

V. The fees for attendance for the purposes of graduation on the courses of instruction in a recognized school or institution shall not be less than the fees for the corresponding University classes. (Ord. No. 12, § IV. 2; Ord. No. 14, § VIII. 6; Ord. No. 23, § IV. 2; Ord. No. 134, § IV. 2; U.C. Ord. No. XXXI., § IX. 6.)

VI. It is a condition of every recognition granted by the Court that it can be withdrawn or suspended at any time if the Court see fit.

### LIST OF EXTRA-ACADEMICAL TEACHERS.

List of Extra-Academical Teachers recognized by the University Court of the University of Glasgow, for the purpose of Graduation in Medicine and Science, in terms of Ordinances of the Universities Commissioners (1858 and 1889), the names of those who are recognized for Graduation in Science being printed in *italics*.

19 April, 1876,	Dr. James Gow Black, Otago,	<i>Chemistry.</i>
„	Miller Coughtrey, M.B., Otago,	<i>Anatomy.</i>
21 Dec., 1880,	William Craig, M.D., Edinburgh,	<i>Materia Medica and Therapeutics.</i>
24 May, 1881,	Byrom Bramwell, M.D., Edinburgh,	<i>Practice of Medicine.</i>
22 July, 1885,	Reginald W. Phillips, B.A., B.Sc., University Coll., Bangor,	<i>Botany.</i>
4 Oct., 1887,	Claud M. Thompson, University College, Cardiff,	<i>Chemistry.</i>
„	W. Newton Parker, University College, Cardiff,	<i>Zoology.</i>
27 Feb., 1890,	James Robertson Watson, M.A., Glasgow,	<i>Chemistry and Practical Chemistry.</i>
„	Philip J. White, M.B., University College, Bangor,	<i>Zoology.</i>
28 April, 1892,	James Swanson, M.A., M.B., C.M., St. Mungo's Coll., Glasgow,	<i>Botany.</i>
23 Feb., 1893,	J. W. Carr, M.A., University College, Nottingham,	<i>Botany.</i>
27 April, 1893,	G. G. Henderson, D.Sc., Glasgow and West of Scotland Technical College,	<i>Chemistry.</i>
20 July, 1893,	J. Berry Haycraft, M.D., University College, Cardiff,	<i>Physiology.</i>

- 14 Nov., 1893, Dawson Turner, M.D., Edinburgh, *Physics*.
- 14 June, 1894, Sir George T. Beatson, K.C.B.,  
M.D., Glasgow, *Surgery*.
- 14 Feb., 1895, A. H. Trow, B.Sc., University  
College, Cardiff, *Botany*.
- 12 Dec., 1895, Peter Bennett, Anderson's College  
Medical School, Glasgow, *Physics*.
- 6 May, 1897, Richard J. A. Berry, M.D.,  
F.R.C.S.E., New School of  
Medicine, Edinburgh, *Anatomy*.
- „ J. R. Whitaker, M.B., Surgeon's *Anatomy and Prac-*  
Hall, Edinburgh, *tical Anatomy*.
- 10 Nov., 1898, Robert A. Fleming, M.D., School  
of Medicine, Edinburgh, *Practice of Medicine*.
- 13 July, 1899, A. L. Selby, M.A., University  
Coll. of South Wales, Cardiff, *Physics*.
- „ D. R. Paterson, M.B., University  
Coll. of South Wales, Cardiff, *Practical Pharmacy*.
- 9 Nov., 1899, Theodore Shennan, M.D., School  
of Medicine, Edinburgh, *Pathology*.
- 26 April, 1900, Carstairs C. Douglas, D.Sc., M.D., *Medical Jurisprud-*  
Anderson's College Medical *ence and Public*  
School, Glasgow, *Health*.
- 10 July, 1900, J. C. Beattie, D.Sc., South African  
College, Cape Town, *Natural Philosophy*.
- „ P. D. Hahn, Ph.D., South African  
College, Cape Town, *Chemistry*.
- 14 Mar., 1901, A. N. M'Alpine, West of Scotland  
Agricultural College, *Agricultural Botany*.
- „ John R. M'Call, West of Scotland  
Agricultural College, *Veterinary Hygiene*.
- 1 May, 1902, Marion T. Newbigin, D.Sc.,  
Medical College for Women,  
Edinburgh, *Zoology*.
- 10 July, 1902, Harry Bamford, M.Sc., West of *Agricultural Engin-*  
Scotland Agricultural College, *engineering*.

- 18 June, 1903, Archibald A. Scot Skirving,  
C.M.G., M.B., M.R.C.S.  
(Eng.), F.R.C.S. (Edin.), 27  
Nicolson Square, Edinburgh,  
and School of Medicine of  
the Royal Colleges, Edinburgh, *Surgery.*
- 12 Nov., 1903, Gilbert Thomson, M.A., C.E.,  
Glasgow and West of Scotland  
Technical College, *Sanitary Engineering.*
- 21 July, 1904, J. C. Beattie, D.Sc., South African  
College, Cape Town, and  
" Alexander Brown, B.A., B.Sc., } *Physics.*  
South African College, Cape  
Town, conjointly,
- " H. H. W. Pearson, M.A., South  
African College, Cape Town, *Botany.*
- " H. H. W. Pearson, M.A., South *Botany for First*  
African College, Cape Town, *B.Sc.*
- " G. H. Gemmell, School of Medicine  
of the Royal Colleges, Edinburgh, *Practical Chemistry.*
- " David Hepburn, M.D., Univer- *Anatomy and Prac-*  
sity College, Cardiff, *tical Anatomy.*
- " Robert Jardine, M.D., St. Mungo's  
College, Glasgow, *Midwifery.*
- 9th Feb., 1905, Leonard A. L. King, B.A., St.  
Mungo's College, Glasgow, *Zoology.*
- 8 June, 1905, R. F. Muirhead, D.Sc., 268 Ren-  
frew Street, Glasgow, *Mathematics.*
- " Leonard A. L. King, B.A., St. *Zoology for First*  
Mungo's College, Glasgow, *B.Sc.*
- 14 Dec., 1905, A. Ogg, M.A., B.Sc., Rhodes  
University College, Grahamstown, Cape Colony, *Physics.*
- " George E. Cory, M.A., Rhodes  
University College, Grahamstown, Cape Colony, *Chemistry.*
- " S. Schönland, Ph.D., Rhodes Uni-  
versity College, Grahamstown, Cape Colony, *Botany.*



- 14 Dec., 1905, J. E. Duerden, Rhodes University College, Grahamstown, Cape Colony, *Zoology.*
- „ J. D. F. Gilchrist, M.A., D.Sc., South African College, Cape Town, *Zoology.*
- „ J. D. F. Gilchrist, M.A., D.Sc., South African College, Cape Town, *Zoology for First B.Sc.*
- „ J. A. Wilkinson, M.A., Transvaal Technical Institute, Johannesburg, *Chemistry.*
- „ H. Lyster Jameson, M.A., D.Sc., Transvaal Technical Institute, Johannesburg, *Zoology.*
- 4 Oct., 1906, Robert Broom, M.D., D.Sc., Victoria College, Stellenbosch, South Africa, *Zoology.*
- „ Augusta V. Duthie, M.A., Victoria College, Stellenbosch, South Africa, *Botany.*
- 1 Nov., 1906, G. Balfour Marshall, M.D., Western Medical School, Glasgow, *Obstetrics and Gynaecology.*
- 13 Dec., 1906, R. A. Berry, West of Scotland Agricultural College, Glasgow, *Agricultural Chemistry.*
- 11 April, 1907, Peter Paterson, M.B., St. Mungo's College, Glasgow, *Surgery.*
- 4 July, 1907, B. de St. J. Vander Riet, M.A., Ph.D., Victoria College, Stellenbosch, Cape Colony, *Chemistry.*
- „ W. E. Malherbe, B.A., B.Sc., Victoria College, Stellenbosch, Cape Colony, *Physics.*
- „ John M. Cowan, B.A., M.D., D.Sc., Anderson's College, Glasgow, *Practice of Medicine.*
- 16 Jan., 1908, James Battersby, F.R.C.S. (Eng.), St. Mungo's College, Glasgow, *Anatomy.*
- „ James Muir, D.Sc., M.A., Glasgow and West of Scotland Technical College, *Physics.*

- 7 Oct., 1909, R. A. Berry, West of Scotland, *Chemistry (two years' course for B.Sc. in Agriculture).*  
Agricultural College, Glasgow,
- 10 Feb., 1910, John Nisbet, West of Scotland, *Forestry.*  
Agricultural College, Glasgow,
- 10 Nov., 1910, W. G. Aitchieson Robertson, *Medical Jurisprudence and Public Health.*  
M.D., D.Sc., Surgeon's Hall, Edinburgh,
- 8 June, 1911, David M'Kail, M.D., D.P.H., *Forensic Medicine and Public Health.*  
St. Mungo's College, Glasgow,
- 13 June, 1912, W. D. Macfarlane, Jun., M.B., *Midwifery and Gynæcology.*  
Anderson's College Medical School, Glasgow,
- 9 Jan., 1913, J. Goodwin Tomkinson, M.D., *Dermatology.*  
Anderson's College Medical School and Western Infirmary, Glasgow,
- 13 Feb., 1913, Gilbert Thomson, M.A., C.E., *Mensuration and Drawing.*  
164 Bath Street, Glasgow,
- 12 June, 1913, Archibald Young, M.B., B.Sc., *Surgery.*  
Anderson's College Medical School, Glasgow,
- 11 Dec., 1913, W. S. Syme, M.D., Western *Diseases of the Throat and Nose.*  
Medical School and Ear, Nose, and Throat Hospital, Glasgow,
- 14 May, 1914, J. Galbraith Connal, M.B., Ander-  
son's College Medical School and Ear, Nose, and Throat Hospital, Glasgow, *Diseases of the Ear.*
- 1 July, 1915, Ivy Mackenzie, M.A., B.Sc., M.D., *Mental Diseases.*  
Anderson's College Medical School and Eastern District Hospital, Glasgow,
- „ T. Stewart Barrie, M.B., St. *Practical Pharmacy.*  
Mungo's College, Glasgow,

And the ordinary Physicians and Surgeons of any General Hospital in the United Kingdom which accommodates not fewer than eighty patients, and possesses a distinct staff of Physicians and Surgeons. (See Ordinance No. 14, Section VII. (5).)

## LIST OF INSTITUTIONS OR SCHOOLS.

List of Schools or Institutions recognized by the University Court of the University of Glasgow, for the purpose of Graduation in Medicine, Law, Science, and Theology, in terms of Ordinances of the Universities Commission (1889).

- 14 Nov., 1895, LONDON (ROYAL FREE HOSPITAL) SCHOOL OF MEDICINE FOR WOMEN.
- 23 Mar., 1896, UNIVERSITY OF NEW ZEALAND. If a candidate for the First Professional Examination in this University has obtained a Degree in Science or in Arts in the University of New Zealand, granted after a course of study and an examination in Botany, Zoology, Physics, or Chemistry, such candidate is exempted from the examination in such subject or subjects. (Ordinance No. 54, Section IV.)
- 23 July, 1896, UNIVERSITIES OF OXFORD, CAMBRIDGE, AND DUBLIN, AND THE FOUR INNS OF COURT, LONDON. The above are recognized for the purposes of Graduation in Law under Ordinance No. 39 [General No. 11.—Regulations for the Degree of Bachelor of Laws (LL.B.)] and subject to Section II. thereof.
- 11 Mar., 1897, GLASGOW EYE INFIRMARY.
- 10 Nov., 1898, UNIVERSITY OF LOUVAIN. This University has been approved by the University Court as a University in which Courses for the four subjects represented in the First Science Examination may be taken and reckoned *pro tanto* under Ordinance No. 23, Section IV. (2).
- 13 April, 1899, HARVARD UNIVERSITY, BOSTON, U.S.A. Approved under Ordinance No. 23, Section IV.
- 12 June, 1902, WESTMINSTER COLLEGE, CAMBRIDGE. Recognized under Ordinance No. 63, Section I.
- 12 Nov., 1903, UNIVERSITY OF NEW ZEALAND. Recognized under Ordinance No. 63, Section I.
- 10 Nov., 1904, THEOLOGICAL COLLEGE OF THE EPISCOPAL CHURCH IN SCOTLAND. Recognized under Ordinance No. 63, Section I.
- 6 July, 1905, ROYAL INSTITUTE OF PUBLIC HEALTH, LONDON. Recognized for the purposes of Section IV., Sub-Section (1) of Ordinance No. 2 of the University Court (Degrees in Science in Public Health).
- 6 July, 1905, ROYAL ARMY MEDICAL COLLEGE. Recognized for the same purposes as the preceding.

- 11 April, 1907, THE ROYAL TECHNICAL COLLEGE, GLASGOW, BACTERIOLOGICAL LABORATORIES. Recognized for the same purposes as the preceding.
- 10 Nov., 1910, QUEEN'S UNIVERSITY OF BELFAST, PUBLIC HEALTH LABORATORY. Recognized for the same purposes as the preceding.
- 9 Feb., 1911, SCOTTISH CONGREGATIONAL THEOLOGICAL HALL, EDINBURGH. Recognized *pro tanto* under Ordinance No. 63, Section I.
- 8 Feb., 1912, ST. MUNGO'S COLLEGE, GLASGOW, PUBLIC HEALTH LABORATORY. Recognized for the purposes of Section IV., Sub-Section (1) of Ordinance No. 2 of the University Court (Degrees in Science in Public Health).
- 11 Feb., 1915, HERIOT-WATT COLLEGE, EDINBURGH. Recognized for the purposes of Section IV. (2) of Ordinance No. 23 (Glasgow No. 2—Regulations for Degrees in Science in Engineering).

## XVI.—UNIVERSITY SOCIETIES.

### GLASGOW UNIVERSITY UNION.

At a Meeting of Students and Graduates, held on the 14th day of February, 1885, it was unanimously resolved to establish a Glasgow University Union. A sum sufficient to erect a building for this purpose having been offered to the Senate by the late JOHN M'INTYRE, Esq., M.D., Odiham, Hampshire, and the Senate having accepted this gift, Articles of Constitution were drawn up by a Committee of Students and Graduates, and received the approval of the Senate, the Donor, and of the Students' Representative Council. A further sum of £12,000 was raised by the Union Bazaar of 1889, and devoted to furnishing and endowing the building. In 1893, to meet the increasing membership, the building was largely extended at a cost of £2800. A further extension at a cost of about £6000 was afterwards completed, the new Union being opened with fitting ceremony in October, 1908. The Union is governed by a Committee of Management which is elected annually at the General Meeting of the Members.

*Objects.*—The objects of the Union are to provide Students with the comforts and conveniences of a Social Club, to hold debates, and to form a centre to which the various University Societies may be affiliated. The Buildings comprise a Debating Hall, a Dining Hall, Reading and News Rooms, Billiard and Smoking Rooms, Committee Rooms, Lavatories, etc.

*Membership.*—The Members of the Union are Ordinary Members or Life Members.

Ordinary membership of the Union is open to all matriculated Students and all former Students of the University, and all Medical Students of

Glasgow whose names are enrolled in the Extra-mural Album of the University, and members of the University Court and Teaching Staff, on payment of an Annual Subscription of Ten Shillings and Sixpence. Students may join for the Summer Session only on payment of Four Shillings.

All matriculated Students and former Students of the University may, on payment of the sum of Three Pounds Three Shillings, become Life Members of the Union.

*President*—J. S. Craig.

*Vice-Presidents*—Prof. Ralph Stockman, M.D.; William Lorimer, LL.D.

*Hon. Secretary*—G. Pearson, The Union.

*Hon. Treasurer*—A. J. Fleming, LL.B.

*Assistant Secretary and Treasurer*—A. S. Strachan, M.A., B.Sc.

*Librarian*—W. Dempster, M.A.

*Convener of Games Committee*—S. N. Dykes.

*Convener of Debates Committee*—J. Rowlands.

*Committee of Management, Former Students*—R. Percy Thomson, M.A., B.L.; O. H. Mavor, M.B., Ch.B.; James MacLehose, M.A., LL.D.; G. Haswell Wilson, M.B., Ch.B. *Present Students*—W. M. Cameron, M.A.; J. Dalgleish; R. S. Gibson, B.Sc.; R. T. Grant, M.B., Ch.B.; Chas. Hendrie; D. Stephen Mitchell.

*Former Presidents of the Union.*

1890-1909. See *University Calendar*, 1913-14.

1910-11. W. S. Martin, M.A.	1913-14. J. W. P. Harkness, M.A.
1911-12. W. E. Elliot, B.Sc.	1914-15. R. S. Gibson, B.Sc.
1912-13. D. M'Cowan Hill, M.A.	1915-16. R. T. Grant, M.B., Ch.B.

#### GLASGOW UNIVERSITY CHESS CLUB.

The Club was formed originally in 1907. Its object is the cultivation of Chess as a scientific game.

In the course of the Session there will be several tournaments, including one for the championship of the University. The Club is affiliated to the Union, and will meet there once each week. Membership is open to Glasgow University Students, former Students, Graduates, and Members of the Staff.

#### THEOLOGICAL SOCIETY.

The object of the Society is to discuss, by means of essays and debates, theological and ecclesiastical questions. The membership of the Society is open to all students attending the Divinity Hall of the University: but all matriculated Students in faculties other than the Faculty of Theology are eligible for extraordinary membership.

(The functions of this Society are suspended at present.)

## GLASGOW UNIVERSITY 1911 LAW CLUB.

*The object of the Club is to promote social intercourse between the students, and to provide an opportunity for discussion and debate on matters of interest in the law of Scotland.*

*Membership is open to all students who have attended any class in the Faculty of Law during the Session 1910-11 and 1911-12.*

*The Subscription for the first year will be 2s. 6d.*

*Office-Bearers.*

*Honorary President*—A. H. Charteris, Esq., LL.B.

*President*—A. Dewar Gibb, LL.B.

*Vice-President*—Ralph S. S. Brown, LL.B.

*Hon. Secretary and Treasurer*—John White Leask, LL.B.,  
4 Rosebery Terrace, Glasgow, W.

*Committee.*

J. Burns Cameron, M.A.

A. R. Duncan, LL.B.

R. Gibson, B.Sc., LL.B.

D. M. Hill, M.A.

I. Munro.

R. B. Rowley Orr.

R. Risk.

## GLASGOW UNIVERSITY MEDICO-CHIRURGICAL SOCIETY.

(Founded 1802.)

This Society has as its principal object the prosecution of medical study by essays, debates, lantern and microscopical demonstrations, and during the summer by visits to Institutions and other places of interest to medical students.

All medical Students and medical Graduates of less than one year's standing are eligible for Ordinary Membership, on payment of the annual subscription of One Shilling and Sixpence. All who at the close of their last winter's session shall have been members for two years, may become Life Members on payment of Five Shillings.

Meetings of the Society are held in the Union on Friday evenings during the winter session.

*Office-Bearers for 1916-17.*

*Honorary President*—John Cowan, M.D., D.Sc.

*President*—John Marshall.

*Vice-President*—William Adams.

*Corresponding Secretary*—Fred. R. Lubovins (The Western Infirmary).

*Minute Secretary*—A. S. Strachan, M.A., B.Sc.

*Treasurer*—W. Scotland, M.A.

*Librarian*—James W. Patterson.

*Demonstrator*—T. G. Honeyman.

*Committee.*

5th Year, D. S. Mitchell and R. Aitken.

4th „ J. W. Mackay and R. Peters.

3rd „ R. Forsyth and J. Kirk, M.A., B.Sc.

Also four members to be appointed in November.

The Society's Library, consisting of upwards of 200 volumes, is housed in the Union, and books are given out at the ordinary meetings, or on written application to the Librarian.

## DIALECTIC SOCIETY.

(Reconstituted 1862.)

The Society meets weekly in the Union Debating Hall during the Session for the discussion of Literary, Philosophical, and Political subjects.

All matriculated men Students are eligible for Ordinary Membership. The Annual Subscription is One Shilling and Sixpence. (Members of the Union One Shilling.)

*Honorary President.*

Professor R. S. Rait, M.A.

*President*—Daniel M'Intosh.

*Vice-Presidents.*

*Senior*—P. R. Purdie, M.A.      *Junior*—John Anderson, M.A.

*Secretary.*

Eric W. M. Heddle.

*Treasurer*—A. G. Forbes.      *Macer*—Elias Bloch.

*General Board.*

Messrs. Dougall, Lochhead, Macarthur, Morgan, and Whyte.

## GLASGOW UNIVERSITY ORIENTAL SOCIETY.

(Instituted 1880.)

The object of the Society is the study of the languages and literatures of the East.

All Students of Oriental languages are eligible for election to the membership.

The Society meets twice a year—in the months of April and October.

*Office-Bearers.*

*Hon. President*—Rev. Emeritus Professor James Robertson, D.D., LL.D.

*President*—Rev. Professor Stevenson, D.Litt.

*Vice-President*—Robert B. Pattie, B.D.

*Corresponding Secretary*—Rev. James Young, B.D.

*Treasurer*—Rev. Robert Gardner, B.D.

## GLASGOW UNIVERSITY ALEXANDRIAN SOCIETY.

This Society was formed in January, 1887. It has for its chief object the discussion of questions connected with the literatures of Ancient Greece and Rome. The membership is open to Members of the University. Any distinguished Scholar or any Member of the University of five years' standing, or any person officially connected with the University, is eligible for Honorary Membership.

*Office-Bearers.**Honorary Presidents.*

Professor J. S. Phillimore, M.A.	Emeritus-Professor Ramsay, LL.D.
Professor W. M. Dixon, Litt.D.	Professor J. L. Morison, M.A.
Professor G. A. Davies, M.A.	Sr. Fernando Agnoletti, Litt.D.

*President*—I. Levine.

*Vice-Presidents* { W. M. Maclean.  
W. S. Field.

*Secretary*—R. C. Clark, The Union.

*Treasurer*—E. J. B. Lloyd.

*Committee.*

T. D. M'Kenzie.	D. G. Wylie.
J. Dempster.	S. Campbell.

## LE CHARDON.

(The University French Club.)

This Society was founded in 1900 to encourage the study of the French Language and Literature. The membership is open to students past and present. During the Session there are held in the Union at least six meetings, which take the form of a lecture accompanied by music, recitations, readings, etc. Plays are performed from time to time, and for the past few years an excursion and a dance have formed a prominent part of the programme. The entire business of the Society is conducted in French.

*Office-Bearers.*

*Présidents d'honneur*—{ Principal Sir Donald MacAlister, K.C.B.  
Le Consul de France.

*Président*—M. Charles A. Martin.

*Vice-Présidents*—{ Miss Marjorie Ferguson.  
Mr. William Amour, M.A.

*Secrétaires*—{ Miss May Buchanan, } Department of French,  
Mr. Wm. M. M'Innes, } The University.

*Trésorier*—Mr. Archd. S. Strachan, M.A., B.Sc.



## LA SOCIETÀ ITALIANA.

This Society was founded in 1914 for the encouragement and continuance of study concerned with Italian culture. Its aim is to treat literature, art, and music simultaneously, and by this give a greater opportunity for wider knowledge of Italian in the University. The meetings will be largely conducted in English. Membership (2s. 6d.) is open to students in the literature classes of the University.

*Office-Bearers.*

*Honorary President*—Sir Sidney Lee.

*Honorary Vice-Presidents*—

Sir Donald MacAlister.

Professor W. Macneile Dixon.

Miss Frances H. Melville.

Dr. Grillo.

*President*—Miss M. Ellis.

*Secretary*—Miss M. Russell.

*Treasurer*—Mr. A. Murray.

*Committee.*

Miss D. Quinn.

Mr. A. M'Intyre.

„ Cameron.

„ Murray.

„ V. Fulton.

## THE MERMAID CLUB.

This Club was formed in 1908. Its object is the study of the Drama. Each month a play is read, parts being taken by the members. This is followed by discussion. Membership is limited to 30.

*Office-Bearers.*

*Honorary President*—Prof. W. Macneile Dixon, Litt.D.

*Honorary Vice-Presidents*— $\left\{ \begin{array}{l} \text{Prof. J. S. Phillimore, M.A.} \\ \text{Maurice Hewlett, Esq.} \\ \text{Lewis Casson, Esq.} \end{array} \right.$

*President*—J. R. Peddie, M.A.

*Vice-President*—L. J. Russell, M.A., D.Phil.

*Secretary*—Kennedy Williamson, The Union.

## GLASGOW UNIVERSITY PHILOSOPHICAL SOCIETY.

(Instituted 1887.)

This Society was instituted for the promotion of Philosophical Discussion and Investigation. It meets on alternate Wednesday Evenings at 7.30 p.m. during the Winter Session, in the Union. Ordinary Membership is open to all students of the University, past or present. The

Annual Subscription is one shilling for Union Members, and one shilling and sixpence for non-union members.

*Office-Bearers for Session 1915-16.*

*Honorary President*—Rt. Hon. A. J. Balfour, M.P.

*Honorary Vice-Presidents.*

The Principal,	} <i>Ex-Officiis.</i>
Professor Sir Henry Jones, LL.D.,	
Professor Latta, D. Phil.,	
Professor Dixon, Litt.D.,	

*President*—A. K. White, M.A.

*Vice-Presidents*—{ G. A. Johnston, M.A.  
A. M. Paterson, M.A.

*Secretary and Treasurer*—T. W. Manson, The Union.

*Members of Committee.*

Wm. Anderson, M.A.

J. W. Scott, M.A.

L. J. Russell, M.A., B.Sc., D.Phil.

A. Bodin, M.A.

J. S. Mitchell, M.A., B.Sc.

G. M. Dryburgh.

John Anderson.

G. H. Malan.

#### GLASGOW UNIVERSITY 1913-14 PHILOSOPHY CLUB.

This Club was founded in May, 1914, and membership is open to all students of the Honours Classes of Logic and Moral Philosophy during Sessions 1912-13 and 1913-14. It has for its object the providing of a bond of union and fellowship among those who have been fellow-students in the Honours Philosophy Classes, and it is proposed to have at least one meeting per annum.

*Office-Bearers 1916-17.*

*President*—Alexander MacBeath.

*Secretary and Treasurer*—James S. Thomson, M.A., 22 George Street, Shettleston.

#### QUEEN MARGARET PHILOSOPHICAL SOCIETY.

The aim of this Society (formed in 1912) is to enable women-students who are interested in Philosophy to meet for discussion. Meetings are held monthly; membership is open to present and former women-students of the University. Annual subscription, 1s. 6d.

*Office-Bearers for 1916-17.*

*Honorary President*—Miss Melville, M.A., B.D.

*President*—Miss Marion Alston.

*Secretary and Treasurer*—Miss C. M. Fleming.

## HISTORICAL ASSOCIATION OF SCOTLAND.

The Glasgow University Historical Society is now merged in the West of Scotland Branch of the Historical Association of Scotland, to which matriculated students of the University are admitted on payment of an annual subscription of one shilling.

## GLASGOW UNIVERSITY ENGINEERING SOCIETY.

(Instituted 1891.)

The objects of this Society are the promotion of the study of Engineering and the diffusion of Engineering information among the members, by the reading of papers, by discussions, by visits to Engineering works in progress, and by such other means as the Society shall approve.

The membership is open to all past and present Students of the University.

*Office-Bearers for Session 1915-16.*

*Honorary President*—Professor J. D. Cormack, D.Sc., M.Inst. C.E.

*Honorary Vice-Presidents*— { Professor Sir J. H. Biles, LL.D., M.I.N.A.  
 { Professor Charles Latham, M.I.M.E.

*President*—Francis Morrison, B.Sc.

*Vice-Presidents*— { A. M. Robb, B.Sc.  
 { J. G. Docherty, B.Sc.

*Hon. Secretaries*— { George Cleghorn, B.Sc.  
 { George Mann.

*Hon. Treasurer*—C. P. Tanner.

*Minute Secretary*—D. S. M'Lean.

## Committee.

*Engineering.*

P. M. H. Moffat.  
C. S. Brindley.  
M. Waters.

*Naval Architecture.*

G. Sommerfeldt.  
W. G. Cleghorn.

*Mining.*

And. Bryan.

## GLASGOW UNIVERSITY PHYSICAL SOCIETY.

This Society was founded in 1884 "for the discussion of scientific subjects in general, and the diffusion of scientific information among its members, by special communications, and any other means which the Society may from time to time approve."

Membership is open to all past and present students of the University, and to others whose membership the Council think would be desirable. The annual subscription is Two Shillings and Sixpence, and there is no entry-money.

Meetings are held in the Natural Philosophy Institute on alternate Thursdays at 3.45 P.M., and visits are made during the session to places

of scientific interest in the neighbourhood. Tea is served prior to all ordinary meetings of the Society.

A library of books on physical science is maintained for the use of members.

The syllabus for the session is issued in the autumn, and may be obtained at the Physical Laboratory or on application to any of the Office-Bearers.

*Office-Bearers for Session 1916-17.*

*Honorary President*—Professor A. Gray, M.A., LL.D., F.R.S.

*President*—Charles Cochrane, M.A., B.Sc.

*Vice-Presidents*—{ Miss Jenny Phemister.  
Miss Elsie B. Stirling.

*Secretary*—Miss Jean Armishaw.

*Assistant Secretary*—David W. Hammond.

*Treasurer*—Miss Nancy K. Anderson.

*Librarian*—Miss Ella M'Laren.

*Members of Committee*—{ Miss Chrissie Pearson.  
E. P. Kaye.  
John Sandford.

Letters should be addressed to the Secretary at the Physical Laboratory.

GLASGOW UNIVERSITY GEOLOGICAL SOCIETY.

This Society was founded in 1907 with the object of promoting the study of Geology. Meetings are held monthly during the winter session, and, in the summer, excursions are organised to places of geological interest. Membership is open to all past and present students of the University. The annual subscription is 2s. 6d.

*Office-Bearers for 1916-17.*

*Hon. President*—Professor J. W. Gregory, D.Sc., F.R.S.

*Hon. Vice-Presidents*—D. Ferguson, F.R.G.S., M.I.M.E.; C. H. Desch, Ph.D., D.Sc., F.I.C; H. R. J. Conacher, Esq.

*President*—G. W. Tyrrell, A.R.C.Sc., F.G.S.

*Vice-Presidents*—Colin M. Leitch, B.Sc.,; Alexander Scott, M.A., B.Sc.

*Secretary*—Miss Jean B. Trench, M.A., B.Sc.

*Treasurer*—Miss C. Nicolson, M.A.

*Members of Council*—Miss M. McLaughlin, M.A., Miss E. Wilson, M.A., Miss G. Keay.

GLASGOW UNIVERSITY BOTANICAL SOCIETY.

The objects of this Society are the promotion of the study of Botany, and the diffusion of Botanical knowledge among the members. Lectures or Demonstrations are held fortnightly during the winter, and in the summer session there are excursions.

Membership is open to all past and present students in Botany in Glasgow University, and to those whom they may elect.

*Office-Bearers for Session 1916-17.*

*Honorary President*—Professor F. O. Bower, Sc.D., F.R.S.

*Honorary Vice-Presidents*—{ J. M. F. Drummond, B.A., F.L.S. ,  
D. Patton, M.A., B.Sc.

*Secretary*—E. J. A. Stewart, M.A., B.Sc., The Botanical Department,  
The University.

*Treasurer*—Miss A. G. Mann, B.Sc., The Botanical Department,  
The University.

*Committee*—Miss E. H. Miller, M.A., Miss C. Davidson, Messrs. F. Y.  
Henderson, J. Thomson, M.A., W. J. Boyd, B.Sc.

#### GLASGOW UNIVERSITY CHORAL SOCIETY.

The object of this Society is to promote Choral Singing in the University and generally to foster the love of good music.

All past and present students are eligible for membership. Non-Students may be admitted by election.

Provision is made for Honorary membership on payment of an annual subscription of 10s. 6d., which will guarantee three tickets for each concert to each Honorary Member.

The Choir will meet for practice in the Greek Class Room, University, on Friday evenings at 6 o'clock, commencing in the third week of October.

The works for study include Elgar's Epilogue from "Caractacus;" also Motets, Madrigals, and Part Songs, by Stanford Grieg, Tchaikovsky, and others.

*Office-Bearers for 1916-17.*

*Honorary President*—Principal Sir Donald MacAlister, K.C.B.

*Conductor*—A. M. Henderson, *University Organist*.

*Secretary*—R. Percy Thomson, M.A., B.L.

*Committee.*

James M'Allister.

R. P. Thomson, *Convener*.

S. W. Grand.

Farquhar M'Rae.

Walter H. M'Gregor.

Miss D. Mitchell.

Miss A. Ormond.

Miss Renwick.

Miss Helen N. Thomson.

Miss Holms.

One Honorary Member to be on Committee.

#### GLASGOW UNIVERSITY MISSIONARY SOCIETY.

(Instituted 1821.)

*Membership*—Students—chiefly Divinity Students—of the University of Glasgow.

*Objects*—The advancement of Christ's Kingdom, both at home and abroad, and the cultivation of a missionary spirit among the students of the University.

*Sources of Income*—Church Collections, Private Donations, and Class Subscriptions.

1916-17—The agencies for which appeal is to be made are:—

1. The Scottish Universities' Mission in India (Kalimpong and Sikkim).

*Office-Bearers for 1916-17.*

*Honorary President*—Rev. R. Stevenson, B.A., Cantab., Gargunnoch.

*President*—Alexander Bennett.

*Vice-President*—John Fairlie, M.A.

*Secretary and Treasurer*—Archibald E. Macintyre, M.A.

*Committee*—To be elected in October.

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#### GLASGOW UNIVERSITY CHRISTIAN UNION.

The object of this Society is the promotion of religious life and fellowship at the University.

Bible-study circles, Mission-study circles, and Prayer circles are held.

Social work is carried on at the Gallowgate Lads' Club.

General Meetings are held at frequent intervals in the University Union, and are addressed by prominent speakers.

*Office-Bearers for 1916-17.*

*Hon. President*—

*Hon. Vice-President*—

*President*—J. S. Craig.

*Vice-President*—S. N. Dykes.

*Secretary*—William Adams, The University Union.

*Assistant Secretary*—A. S. Goudie, M.A.

*Treasurer*—Raymond St. Clair Swanson, M.A.

*Foreign Students' Secretary*—William Dempster, M.A.

*Bible Circle Secretary*—John Taylor.

It has been decided that the above, along with two unattached members to be elected later, shall form the Executive for this Session owing to war conditions.

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#### GLASGOW UNIVERSITY STUDENTS' SETTLEMENT ASSOCIATION.

This Association was founded in 1889 with the object of carrying on social, educative, and religious work.

The Settlement, consisting of residence, club-rooms, and halls, is situated at 10 Possil Road, Garscube Cross. The work takes various forms, including social clubs, Sunday meetings, a "Poor Man's Lawyer," a Medical Dispensary, and Savings Bank. In the residence there is accommodation for twelve students, and those who desire to enter into residence should communicate as soon before the beginning of the session as possible with the Warden or Secretary.

*Office-Bearers.**President*—David Yellowlees, Esq., M.D., LL.D.*Vice-Presidents*—{ Sir Donald MacAlister, K.C.B., M.D., LL.D.  
Sir Henry Jones, LL.D., Litt.D.*Warden*—William Boyd, D.Phil.*Sub-Warden*—J. H. Herbert.*Hon. Secretary and Treasurer*—John Finlayson.*Management Committee.*

William Boyd, B.Sc., D.Phil.

Rev. John W. Coutts.

Stanley H. Turner, D.Litt.

Alex. K. White, M.A.\*

J. H. Jones, M.A.

*Finance Committee.*

Councillor J. M. Bryce.

Prof. D. J. Medley, M.A.

Prof. T. K. Monro, M.A., M.D.

R. Harvey Pirie, M.A., LL.B.

Prof. Stevenson, B.D., D.Litt.

David Yellowlees, M.D., LL.D.

John Finlayson.

## QUEEN MARGARET COLLEGE SETTLEMENT ASSOCIATION.

The Queen Margaret Settlement was founded in 1897, with the object of working among the people of the Anderston district, especially the women and children. A Residence was opened in March, 1901, and in 1905 permanent quarters were obtained at 77 Port Street. The Settlement has now accommodation for twelve resident workers (application to the Warden). The fee for residents is £1 1s. per week (for short periods, £1 5s.); non-resident students pay £5 a year. Students are trained in the work of the Charity Organisation Society, of the Collecting Savings Bank, and School Penny Banks (in connection with the Glasgow Savings Bank), of the Invalid Children's Aid (in co-operation with the School Board), of the Employment Bureau (in connection with the Juvenile Department of the Labour Exchange), and of Girls' Clubs, Infants' Health Visitation, School for Mothers, Parish Council and Burgh Distress Committee, Rent Collecting, and Saturday play for children. They have also an opportunity of attending the lectures organised by the Glasgow School of Social Study and Training, and of working for the diploma granted by the school. The "Janet A. Galloway" Scholarship, which includes residence and training for one year, is offered annually.

Women undergraduates who are unable to give their whole time to Settlement work will be welcomed as helpers, especially in the Girls' Clubs, and in the playground games on Saturday mornings.

*Office-Bearers, 1916-1917.**Warden*—Miss Marion Rutherford, 77 Port Street, Anderston.*Sub-Warden*—Miss J. C. Turnbull.*Convener of Executive Council*—Miss Frances H. Melville, M.A., B.D.,  
Mistress of Queen Margaret College.

*Hon. Treasurers*—Miss Snodgrass, 5 Crown Gardens;  
Miss Gladys Hilliard, 32 Athole Gardens.

*Hon. Secretaries*—Miss M. G. May, M.A., 15 Athole Gardens;  
Miss Dorothy Blackie, Dunmorag, Dowanhill.

#### GLASGOW UNIVERSITY '88 MEDICAL CLUB.

The purpose of this Club is to encourage social intercourse among those who studied Medicine at Glasgow University in the years 1884-1888. A Triennial Dinner is held, and communications are addressed at that time to the Members of the Club in all parts of the world.

*Office-Bearers for 1913-1916.*

*Chairman*—John F. Fergus, M.A., M.D.

*Secretary*—T. K. Monro, M.A., M.D., 12 Somerset Place, Glasgow.

*Other Members of Committee.*

John Adams, M.B., C.M.  
T. C. Barras, M.B., C.M.  
J. P. Boyd, M.B., C.M.  
R. M. Buchanan, M.B., C.M.  
F. Stewart Campbell, M.D., C.M.  
Andrew Davidson, M.A., M.D.  
A. Brown Kelly, D.Sc., M.D.  
H. L. G. Leask, M.D., C.M.

J. Livingstone Loudon, M.D.,  
C.M.  
L. R. Oswald, M.B., C.M.  
C. E. Robertson, M.D., C.M.  
John Rowan, M.B., C.M.  
J. Turnbull Smith, M.B., C.M.  
John Wright, M.B., C.M.

#### GLASGOW UNIVERSITY '93 CLUB.

The object of the Club is to promote intercourse among the Members by means of at least one annual reunion which shall be held as far as possible on the Friday before Christmas. The Membership is limited to students of the University of the session 1892-93.

*Office-Bearers for 1916.*

*President*—W. King Gillies, M.A.

*Vice-Presidents*—W. A. Lindsay, M.A., B.Sc., and Walter Nelson, C.A.

*Hon. Secretary and Treasurer*—R. W. McClure, B.L.,  
136 Wellington Street, Glasgow.

*Committee.*

Rev. Thos. Cameron.  
Malcolm Campbell, M.D.  
Thos. Carruthers, M.A., M.B., Ch.B.  
A. H. Charteris, M.A., LL.B.

Peter M'Bryde, M.B., C.M.  
Ivy M'Kenzie, M.A., M.D., B.Sc.  
William Scott, M.A.  
Fred Watson, M.A., B.Sc.

James A. Reid, M.A.



## GLASGOW UNIVERSITY '97 CLUB.

The object of the Club is to promote intercourse among the members by means of an Annual Reunion, which is held some time in January. The membership is open to all who were students of the University in 1897.

*Office-Bearers for 1916-17.*

*President*—J. Meiklejohn, M.A.

*Vice-President*—Rev. Munro Somerville, B.D.

*Secretary and Treasurer*—Robert Tennent, LL.B., 138 West Regent Street, Glasgow.

*Committee.*

Rev. R. P. R. Anderson, M.A. | J. D. Brownlie, M.B.

H. R. Buchanan, LL.B. | J. M. Ramsay, M.A.

John L. Wark, LL.B.

## GLASGOW UNIVERSITY '99 CLUB.

As the "Constitution" of the above Club indicates, its function or office is "to promote social unity among its members by forming new friendships, or by perpetuating those formed during College career."

Matriculated students of Session '98-'99 are eligible for membership, and such other students as the Club may agree to admit.

*Office-Bearers, 1916-1917.*

*Honorary Presidents*—Professor Sir Henry Jones, Professor Dixon.

*President*—W. C. Fairweather, M.A.

*Vice-President*—T. D. Lowe, LL.B.

*Secretary and Treasurer*—

Wm. Christie Cowan, B.L., 156 St. Vincent Street, Glasgow.

*Committee*—

Dr. Wm. Rankin, Rev. George Galbraith, M.A., and S. H. Dow, LL.B.

## GLASGOW UNIVERSITY TWENTIETH CENTURY CLUB.

Membership of this Club is limited to (a) Students of the Moral Philosophy and English Literature Classes during the session 1900-1901, (b) Graduates in Arts of the year 1901, (c) elected Members.

The object of the Club is to encourage and perpetuate by social intercourse friendships formed during the College career, and to keep Members in touch with their Alma Mater. The Club at present consists of 128 Members, and there is at least one annual meeting.

*The Office-Bearers for Session 1916-1917 are :*

*Honorary Presidents*—{ Professor Cooper, D.D.  
Mr. A. H. Charteris, LL.B.

*President*—Rev. John Chambers.

*Vice-Presidents*—{ Mr. Norman A. Black, M.A.  
Mr. John M. M'Murtrie, M.A.

*Honorary Secretary and Treasurer*—Mr. R. Ralston Ness, LL.B.

*Other Members of Committee.*

Rev. D. Auchinvole Dick, M.A. | Mr. D. M. Hutchison, LL.B.

Rev. Gordon Quig, B.D.

GLASGOW UNIVERSITY JEWISH SOCIETY.

This Society was formed in 1912 for the purpose of creating a social unity among Jewish students of all Faculties and stimulating an interest in modern and historical Jewish questions.

*Office-Bearers for 1916-17.*

*Hon. President*—Dr. Salis Daiches.

*Hon. Vice-President*—Rev. L. Morris, B.A.

*President*—J. Lipschitz, Esq.

*Vice-President*—E. Bloch, Esq.

*Hon. Secretary*—Morris Hyman, 48 Cumberland Street, S.S., Glasgow.

*Hon. Assistant Secretary*—J. Sachs, Esq.

*Hon. Treasurer*—S. Kameron.

*Members of Information Bureau*—Messrs. S. Kameron and A. Markson.

GLASGOW UNIVERSITY OSSIANIC SOCIETY

(with which is amalgamated G. U. Celtic Society).

(Instituted 1828.)

The Ossianic is one of the oldest Societies in the University, having an honourable history of over eighty sessions, and many distinguished Gaels have been numbered among its members. The lapse of years has only added to its activities and interest, and it is at present one of the most vigorous and successful Societies. It forms a centre for social intercourse among students from the North and West, and constitutes for them at once a link with home and an introduction to University life.

The objects of the Society are the discussion of subjects bearing on the Language, Literature and Customs of the Highlands, and the promotion of social enjoyment amongst Highland Students. It meets in the Union on Fridays at 7.30 p.m. Three at least of the meetings are conducted in Gaelic. Membership is open to students, both men and women, of Celtic sympathies. All Highland Students are cordially invited to the opening meeting in October.

“Is math leam gu’n gabhar os laimh cuibhrionn chubhaidh de bhuir n-obair anus a’ Ghàidhlig. Ullmhaichear gach buaidh an corp, s an conn a chum rathā. Is e so a thus: rogha dealbh, uirghioll math, is deagh labhairt. Is e a’ Chrìoch; an fhirinn fa chomhair an t-saoghail.”

An t-Ollamh Mae Enrie.

*Office-Bearers, 1916-17.*

*Honorary President*—Professor Rait.

*President*—Wm. Macbride, M.A.

*Vice-Presidents*—Norman Mackenzie and John MacMillan.

*Secretaries*—{ John A. Nicolson, 152 West Graham Street.  
Miss Muriel M. Gillanders, 4 Carnarvon Street.

*Treasurer*—Geo. Mackenzie.

*Bard*—Alex. J. Mackenzie.

*Piper*—Dugald C. MacRae.

*Committee*—Miss Forbes, Miss Flora MacCallum, M.A., and Miss M'Coll.

#### GLASGOW UNIVERSITY OSSIANIC CLUB.

The object of the Club is to promote intercourse among the members by means of at least one Annual Reunion which shall be held on the third Thursday of January. Membership is open to all past members of the Glasgow University Ossianic Society. The initial subscription is two shillings and sixpence, and thereafter the annual subscription is one shilling.

*Hon. President*—Prof. Magnus Maclean, D.Sc.

*President*—Donald Macphie, M.A., B.Sc.

*Vice-Presidents*—{ John Cameron, M.A., LL.B.  
Rev. Hector Maclean, M.A.

*Joint Secretaries and Treasurers.*

Farquhar Macrae, M.A., 7 Airlie Gardens, Hyndland, Glasgow.

R. Percy Thomson, M.A., B.L.

*Committee.*

Dr. Neil MacInnes, M.A.

Dr. Wallace M. Conley, M.A.

Dr. John MacInnes.

Charles MacLean, M.A.

Colin Sinclair, M.A.

H. L. MacLennan.

George Thomson, M.A.

#### GLASGOW UNIVERSITY DUMFRIES AND GALLOWAY SOCIETY.

This Society was instituted in 1913, its object being to promote intercourse among the members by social evenings, discussions of a literary nature, and by an annual dance. Though primarily intended for students from Dumfries and Galloway, membership is open to all those interested in those counties, the annual subscription being two shillings and sixpence.

*Office-Bearers for 1916-17. -*

*Hon. President*—Prof. H. M. B. Reid, D.D.

*President*—John Clarke.

*Vice-President*—Miss Ethel M. Maconochie.

*Secretary*—Andrew Y. P. Johnston.

*Treasurer*—Miss Nancy Anderson.

*Members of Committee*—Miss Copeland, Miss M'Reath, Miss Laidlaw ;  
Messrs. J. Halliday, A. M. Sanders, and A. Cruickshanks.

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#### THE CHURCH OF SCOTLAND UNDERGRADUATE SOCIETY.

The Society meets every Monday at 7.30 p.m. in the Union for the discussion of literary, social, and religious topics, and for the promotion of social intercourse among its members.

All undergraduate students (*i.e.* students in any Faculty who have not yet graduated in that Faculty) connected with the Church of Scotland are eligible for membership.

The annual subscription is one shilling and sixpence.

*Office-Bearers for 1914-15.*

*Honorary President*—Prof. Cooper, The University.

*President*—John M. Smith, M.A.

*Vice-President*—Miss J. E. Robertson.

*Secretary*—John A. Calderwood, Ferndean, Barrhead.

*Treasurer*—Robert Macpherson.

*Committee.*

Misses M'Combie and Grierson ; Messrs. R. L. Kilgour and  
W. T. Smellie, M.A.,  
with one lady and two gentlemen to be elected in October.

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#### GLASGOW UNIVERSITY UNITED FREE CHURCH STUDENTS' SOCIETY.

(Instituted 1845.)

*Honorary President*—Rev. Prof. D. W. Forrest, D.D.

*President*—Lewis Maclachlan.

*Senior Vice-President*—Miss A. A. Raffan.

*Junior Vice-Presidents*—W. H. Whyte, R. F. Chisholm.

*Secretary*—Allan Adam, The Union.

*Assistant Secretary*—Miss Jessie M'Gregor.

*Treasurer*—W. C. Galbraith.

*Editor of Magazine*—Miss M. C. Logan.

*Committee.*

Misses A. W. Stevenson and Helen M'Gregor, and Messrs. David Clark and T. W. Manson, with a lady and gentleman to be elected from first year students in October.

This is one of the old University Societies, having been instituted in 1845. The objects of the Society are the promotion of social intercourse and the furtherance of moral and intellectual culture among Students.

Special facilities are given for the practice of public speaking. Students of all faculties and of both sexes, who are connected with the United Free Church may become members; others may become associates. The annual subscription is one shilling and sixpence.

#### GLASGOW UNIVERSITY UNITED FREE CHURCH STUDENTS' SOCIAL UNION.

This Union was instituted in 1907, and its object is to promote social intercourse among students connected with the United Free Church, and to afford strangers an opportunity of making friends in College.

To attain this end, four "At Homes" will be held during the first two terms—two before and two after Christmas.

There is no subscription, the cost being defrayed by collection at each meeting.

*President*—Rev. R. A. Lendrum, M.A., 2 Melrose Street, W.

*Junior President*—Miss Raffan.

*Joint Secretaries* { Miss A. W. Stevenson.  
Godfrey D. Macfadyen, U.F. Mansc of Marnoch,  
Aberchirder.

#### *Committee.*

Miss Clow.

„ Logan.

„ Semple.

Mr. Anderson.

„ Donaldson.

„ Warnock.

With a lady and gentleman to be elected from first year students.

#### GLASGOW CONGREGATIONAL STUDENTS' SOCIETY.

This Society was founded in 1912 to promote social fellowship among students of the Congregational denomination. For this purpose the Society meets during the session in Hillhead Congregational Church, Gibson Street. The annual subscription is one shilling.

*Office-Bearers, 1915-1916.*

*Hon. President*—Robert J. T. Bell, M.A., D.Sc.

*Hon. Vice-President*—Rev. J. Safeley, M.A.

*President*—T. M. MacRobert, M.A., B.Sc.

*Vice-President*—Miss Forson, M.A.

*Treasurer*—Miss Black.

*Committee*—Misses Bryce and Smith, Messrs. A. D. Anderson and W. Campbell.

The Society has arranged that, should we still be at war, no regular meetings will be held in Hillhead Church during the session. Any communications should be addressed to Miss E. M. Smith, 5 Bellahouston Terrace, Ibrox, Govan.

#### GLASGOW UNIVERSITY SINO-SCOTTISH SOCIETY.

This Society was formed in December, 1913. It exists for the purpose of fostering friendship between Chinese and British students.

*Office-Bearers, 1915-16.**Hon. President*—Sir Donald MacAlister, K.C.B.*Hon. Vice-Presidents*—Emeritus Prof. Barr, Prof. Sir J. H. Biles, Prof. Cormack, Dr. C. H. Desch, Henry Dyer, Esq. ; Prof. G. A. Gibson, Dr. A. A. Gray, Prof. Moncur, and Dr. P. K. C. Tyan (Chinese Legation).*President*—Y. Y. Liu.*Vice-President*—Robert Morris.*Joint-Secretaries* { J. J. Poon.  
W. H. Whyte, The Union.*Committee*—Tsoo H. Lee, C. U. Lee, W. Dempster, M.A.,  
I. W. Phillips, K. J. T. Wilson.ALLAN GLEN'S UNIVERSITY AND ROYAL TECHNICAL COLLEGE  
ASSOCIATION.

This Society was formed in 1912 with the object of bringing Allan Glen's boys at the University more into touch with each other, and of keeping a record of their successes there. Membership is open to all past and present students, and full particulars may be had on application to the Secretary.

*Office-Bearers.**Hon. President*—Dr. John G. Kerr, M.A., LL.D.*Hon. Vice-Presidents* { T. B. Morley, D.Sc.  
George Craig, B.Sc.*President*—John Taylor.*Vice-Presidents* { James Jamieson.  
John B. Sandford.*Secretary*—Stewart W. Cox, 86 Queen's Drive, Crosshill.*Treasurer*—Francis J. M'Gregor.*Committee.*S. T. Mitchell.  
Stephen Young.J. Wardrop.  
D. B. Macdonald.  
Arch. Currie.

## QUEEN MARGARET COLLEGE SUFFRAGE SOCIETY.

Queen Margaret College Suffrage Society was founded in 1907. Its object is to promote among students an interest in the Women's Movement and to obtain the Parliamentary Franchise for Women on the same terms as it is or may be granted to men.

The Society consists of Members and Associates. The membership is open to all matriculated students of Queen Margaret College ; matriculated men students of the University are eligible as Associates. The annual subscription for both Members and Associates is 1s.

The Society works on constitutional, non-militant and non-party lines. Since the outbreak of the War, the Society has undertaken two forms of social work: (a) the charge of a Nursery run in conjunction with weekly consultations for mothers, organised by the National Union of Women Suffrage Societies, (b) the holding of weekly social meetings for women employed in the Emergency Workrooms of the Scottish Council for Women's Trades.

*Office-Bearers, 1915-16.*

*President*—Margaret Barrowman.

*Vice-President*—Vida T. Perrie.

*Treasurer*—Marguerite MacPhail.

*Secretary*—Louise H. Simmons, 18 Roxburgh St., West.

*Committee.*

Alison M. Hunter.

Rose G. Clarke.

Dorothy Gallie.

Margt. Robertson.

K. M. Stewart.

Helen Lander.

GLASGOW UNIVERSITY ATHLETIC CLUB.

*Office-Bearers for 1916-17.*

*Honorary President*—Professor D. J. Medley, M.A.

*Hon. Vice-Presidents*—Professors Bower, Ramsay, Stockman, and Cathcart, Sir David M'Vail, Dr. John F. Fergus, William Lorimer, Esq., LL.D., Miss Melville, Chas. Ker, Esq., Sir Henry Craik, and and Dr. C. H. Desch.

*President*—

*Hon. Treasurer*—Dr. Thomas Walmsley.

*Hon. Secretary*—G. Pearson.

*Committees of Sections—*

*Rugby Football*—

*Hockey*—

*From Q.M. College*—Miss M. Andross (Captain 1st XI.), Miss K. Robertson (Vice-Captain), Miss A. Hutton (Captain "A" XI.), and Miss M. Patterson (Convener).

*Golf*—

*Sports*—

*Cricket*—Dr. T. Walmsley (Captain), G. Pearson (Secretary).

*Tennis*—W. A. Wilson (Secretary).

*From Q.M. College*—Miss M. Watson (Convener).

*Fives*—

*Shinty—*

*Executive Committee.*

The Officials, Secretaries of Sections, with two members.

The object of the Club is the promotion of all forms of Athletic exercise. The Membership is confined to present and past Students of the University.

Subscriptions: Athletic Club, Two Shillings and Sixpence, and in addition as follows: Rugby Football, Ten Shillings; Fives Club, Five Shillings; Golf Club, Four Shillings and Sixpence; Cricket, Five Shillings for those playing till the end of June, Eight Shillings for those playing all season; Hockey, Ten Shillings; Tennis, Ten Shillings; Q.M. College Hockey, Seven Shillings and Sixpence.

Inclusive Subscription, £1 5s.

GLASGOW UNIVERSITY RIFLE CLUB.

*President*—Principal Sir Donald MacAlister, K.C.B.,  
M.A.; M.D., D.C.L., LL.D.

*Vice-Presidents*—Sir John Stirling Maxwell, Bart., LL.D., Professors  
Bower and Medley.

*Team Captain*—F. W. Heys (Capt., 7th A. & S.H.).

*Vice-Captain*—Geo. Macphee.

*Hon. Secretary and Treasurer*—R. N. Stuart, The Union.

*Committee*—Messrs. G. B. Gillies, Eoin Leitch, R. Isbister,  
W. W. Galbraith.

Its objects shall be to promote rifle shooting among students and ex-students of Glasgow University, and to provide the means of having Glasgow University well represented, by a team consisting of five students and five ex-students, in the annual match for the Inter-University Trophy.

In 1913 the match was shot at Barry, and resulted in Edinburgh winning the Trophy with a record score. Aberdeen was second and Glasgow third. St. Andrews did not send a team. Glasgow was represented by the following team:

*Ex-students*—Messrs. Heys, Darling, Patience, Macphee and Niven.

*Students*—Messrs. Isbister, Galbraith, Leitch, Martin and Murdoch.

The Gold Medal given by Capt. Heys to the highest scorer (present students being allowed a handicap of 5 points) in the Inter-University Match was won by R. Isbister.

The Club offered a Silver and two Bronze Medals for competition among present students. These were shot for in five practice shoots, the winners being decided on the aggregate of their three best scores. The Silver Medal was won by R. N. Stuart and the Bronze Medals by E. Leitch and J. Murdoch.



All students and ex-students of Glasgow University shall be eligible as Patrons and Ordinary Members. All persons officially connected with the University shall be eligible as Patrons. Both classes of Members may take part in the competitions.

All persons, eligible as above, subscribing 10s. or upwards annually, shall be *ipso facto* Patrons. The subscription for Ordinary Members shall be 5s. for ex-students, and 2s. 6d. for present students, all payable by 1st March annually. These annual subscriptions may be commuted by a present payment of £3 3s., entitling the person paying to become a Life Patron.

#### GLASGOW UNIVERSITY CLUB, LONDON.

The objects of the Club are to maintain good fellowship among its members and to promote the interests of the University of Glasgow and of higher education in connection therewith.

Graduates, and all who are or have been students of the University of Glasgow, or officially connected with it, are eligible for membership.

#### *Office-Bearers for 1915-1916.*

##### *President—*

The Right Honourable The Earl of Rosebery and Midlothian, K.G.,  
K.T., LL.D.

##### *Vice-Presidents—*

The Right Hon. Lord Scott Dickson.

The Right Hon. Lord Strathclyde,  
LL.D.

Guthrie Rankin, M.D., F.R.C.P.

Andrew Wylie, M.D.

Archibald Craig, LL.B.

The Hon. Sir John M'Call, M.D.  
Prof. John Ferguson, M.A., LL.D.,  
F.S.A.

Sir John Struthers, K.C.B., LL.D.

Prof. J. D. Cormack, D.Sc.

W. Craig Henderson, M.A., D.Sc.

##### *Council—*

1911. John Brunton, M.D.

1911. H. Charles Cameron, M.D.,  
M.A.

1911. James M'Clure, M.D.,  
F.R.C.S.

1912. Joseph White, M.A., B.Sc.,  
M.B.

1912. A. A. Jack, M.A., LL.M.

1912. Thomas Shields, B.Sc.

1913. Sir J. J. Dobbie, D.Sc.,  
LL.D., F.R.S.

1913. Rev. W. Parker Hanks,  
M.A.

1913. Peter Abercrombie, M.D.

1914. J. Hunter Gray, M.A., B.Sc.

1914. Matthew Taylor Brown,  
B.Sc.

1914. John Brownlee, M.A.,  
D.Sc., M.D.

##### *Trustees—*

Robt. Gourlay, LL.D.

| D. S. Roxburgh, M.B.

*Honorary Treasurer—*Wm. Neil, C.A., 35 Walbrook, E.C.

##### *Honorary Secretaries—*

David Roxburgh, M.B., 30 Seymour Street, W.

Alex. Macphail, M.B., 2 Harley Place, N.W.

## GLASGOW UNIVERSITY WOMEN'S CLUB, LONDON.

*President—*

Mrs. Hawthorne, 63 Harley Street, W.

*Secretary—*

Margaret Barbour, M.A., B.Sc., 20 Elfindale Road, Herne Hill, S.E.

Membership of this Club is open to women students (past and present) of Glasgow University. An Annual Dinner will be held in the winter, preceded by a General Business Meeting. Full particulars may be had on application to the Secretary.

## THE NORTH OF ENGLAND GLASGOW UNIVERSITY CLUB.

*Office-Bearers for 1916-17.**President—*

Jas. Chalmers, M.D.

*Vice-Presidents—*

J. J. Campbell, M.D.  
N. Burnett, M.D.

Robt. Forsyth, M.B.  
J. Wight Duff, M.A., D.Litt.  
(Aberdeen).

*Council—*

Sir Thomas Oliver, M.D., LL.D.

*(ex-officio)*

Jas. Thomson, M.A.

*(ex-officio)*

J. Johnstone-Weir, M.B.

*(ex-officio)*

R. Gordon Bell, M.D.

*(ex-officio)*

Jas. D. Farquharson, M.B.

*(ex-officio)*

Hugh Dickie, M.A., M.D.

*(ex-officio)*

John Taylor, M.D.

*(Aberdeen)*

W. Mearns, M.D.

*(Aberdeen)*

A. Fairlie, M.A., M.D.

J. Bain, M.B.

W. K. Russell, M.B.

Rev. J. Howatson, M.A.

Rev. W. A. M'Gonigle, M.A., B.D.

*(ex-officio)*

Frank Russell, M.B.

*(ex-officio)*

Jas. Drummond, M.D.

*(ex-officio)*

David W. Inglis, M.A., M.D.

*(ex-officio)*

John Charles, M.D.

D. M'Laren, M.A.

N. Maclay, M.B.

A. Livingstone, M.B.

Rev. G. C. Chisholm.

D. M'Kellar, M.B.

Rev. A. Simmons, M.A.

*Honorary Treasurer—*

Jas. Hudson, M.D., 42 Crossley Terrace, Newcastle-on-Tyne.

*Honorary Secretary—*J. Templeton Dunlop, M.B.,  
24 Kingsley Terrace, Newcastle-on-Tyne.

THE YORKSHIRE ASSOCIATION OF GRADUATES OF THE UNIVERSITY  
OF GLASGOW.

This Association was formed in 1906.

*Office-Bearers for 1916-1917.*

*President*—Leo. A. Rowden, M.B., C.M., Leeds.

*Vice-President*—H. M. Robertson, M.B., C.M.

*Hon. Secretary*—L. A. Rowden, M.B., C.M., 5 Park Square, Leeds.

*Hon. Treasurer*—W. M'Gregor Young, M.A., M.D.,  
171 Woodhouse Lane, Leeds.

*Committee—*

J. C. Crawford, M.B., Keighley (1913).	E. Chang, M.B., Leeds (1912).
D. Wilson, M.D., Huddersfield (1912).	D. Forsyth, M.A., D.Sc., Leeds (1913).
A. Hamilton Stewart, M.B., Thornton (1912).	J. Irving, M.B., Huddersfield (1913).
R. May, M.D., Wakefield (1912).	M. Stewart, M.B., Leeds (1913).
C. Marshall, M.D., Roundhay (1912).	R. C. Muir, M.B., Leeds (1913).

ASSOCIATION OF WOMEN GRADUATES OF THE UNIVERSITY OF GLASGOW.

Founded 1901. About 300 members. In normal times an Annual Dinner is held, and two or three lectures are given each year. Membership is open to all women graduates of Glasgow University. Women graduates of other Universities may be admitted as associate members. The object of the Association is to form a bond of union among the women graduates, and generally to promote their interests. Subscription—Annual, 2s. 6d; Life, £1 1s.

*Office-Bearers.*

*President*—M. Muriel Gray, M.A.

*Vice-President*—K. T. M'Millan, M.A.

*Hon. Secretaries—*

Isabel M. F. Cowie, M.A., Woodend, Partickhill.

Jean St. Clair Balls, M.A., Arnhall, Bonhill.

*Hon. Treasurer*—Margaret Lang, M.A., Cowglen House, Thornliebank.

GLASGOW UNIVERSITY CLUB OF NEW ZEALAND.

*President*—Rev. John Kilpatrick, Green Island, Dunedin.

*Vice-President*—Rev. D. M'Ara, Kaikoura.

*Secretary*—The Rev. Robert Francis, St. John's Manse, Opatiki.

*XVII.—RECENT ORDINANCE.*

UNIVERSITY COURT ORDINANCE No. XXXIX. (GLASGOW  
No. 12).

AFFILIATION OF THE ROYAL TECHNICAL COLLEGE,  
GLASGOW.

At Glasgow, the seventh day of November, Nineteen hundred and twelve years.

Whereas by the Universities (Scotland) Act, 1889, the Commissioners under the said Act were empowered by Section 15 to make Ordinances to extend any of the Universities by affiliating new colleges to them, subject to the conditions set forth in the said Act;

And whereas by the said Section it is enacted that after the expiration of the powers of the Commissioners the University Court of any of the Universities may make similar Ordinances, subject to the said conditions and under regulations to be laid down by the Commissioners, or after the expiry of their powers by the Scottish Universities Committee of the Privy Council;

And whereas the powers of the Commissioners expired on the first day of January, 1898, without any action having been taken by the Commissioners under the said Section for the making of Ordinances to extend the University of Glasgow, or for laying down regulations in relation thereto;

And whereas the University Court of the University of Glasgow have resolved that it is expedient to extend the University of Glasgow by affiliating to the said University the Royal Technical College, Glasgow (formerly designated the Glasgow and West of Scotland Technical College);

And whereas, in accordance with the said conditions, the University Court of the University of Glasgow and the Governors of the Royal Technical College, Glasgow, have, as consenting parties, submitted for the approval of the said Scottish Universities Committee a scheme for extending the University of Glasgow by affiliating the said College to the said University; and have agreed, by a joint minute, to appoint members of their respective bodies to form an Advisory Committee, to consider and report upon such matters affecting their joint interests as may be referred to it by the said University Court or the said Governors;

And whereas the Lords of the said Scottish Universities Committee on the eleventh day of May, 1911, by Order signified their approval of the said scheme, and laid down the following Regulations to be observed in the carrying out thereof, namely—

1. The procedure shall be by way of Ordinance, in conformity with Section 21 of the Universities (Scotland) Act, 1889.

2. Any Ordinance or Ordinances for the purpose shall be framed in general accordance with the scheme approved by the Committee.

3. Having regard to the circumstances of the case, it will not be required that the Ordinance or Ordinances shall include arrangements for the representation of the University Court on the governing body of the affiliated College, nor for the representation of the governing body of the affiliated College in the University Court;

And whereas by Section 21 of the Universities (Scotland) Act, 1889, it is enacted that, after the expiration of the powers of the Commissioners, under the said Act, the University Court of each University shall have power to make such Ordinances as they think fit, with the approval of His Majesty in Council, *inter alia* altering or revoking any of the Ordinances affecting such University which had been or might be framed and passed under the Universities (Scotland) Act, 1858, or the said Act, and making new Ordinances;

And whereas the said Commissioners issued on the third day of February, 1892, an Ordinance No. 12 (General No. 7—Regulations for Degrees in Science), which received the approval of Her late Majesty in Council on the twenty-eighth day of June, 1892; and on the ninth day of February, 1892, an Ordinance No. 13 (General No. 8—Regulations as to Examinations), which received the approval of Her late Majesty in Council on the twenty-eighth day of June, 1892; and on the eleventh day of January, 1893, an Ordinance No. 23 (Glasgow No. 2—Regulations for Degrees in Science in Engineering), which received the approval of Her late Majesty in Council on the twenty-sixth day of June, 1893; and on the eighteenth day of November, 1893, an Ordinance No. 42 (General No. 14—Institution of Boards of Studies in the Faculties of Medicine and Science), which received the approval of Her late Majesty in Council on the twenty-eighth day of May, 1894; and on the fourth day of February, 1895, an Ordinance No. 61 (General No. 23—Regulations for the Encouragement of Special Study and Research, and for the Appointment of Research Fellows), which received the approval of Her late Majesty in Council on the twenty-ninth day of June, 1895; and on the seventeenth day of July, 1895, an Ordinance No. 147 (General No. 32—Regulations with regard to Matriculated Students), which received the approval of Her late Majesty in Council on the twenty-ninth day of June, 1896;

And whereas certain other Ordinances affecting the University of Glasgow thereafter duly made and approved contain provisions referring to or otherwise supplementing the said Ordinances;

And whereas the University Court of the University of Glasgow have resolved that it is expedient that an Ordinance should be made for the affiliation to the University of the Royal Technical College, Glasgow, and that in relation to such affiliation certain of the provisions of the aforesaid Ordinances, in so far as they affect the University of Glasgow, should be revoked or altered by the substitution therefor of the provisions hereinafter set forth;

Therefore the University Court statute and ordain as follows:

I. Subject to the provisions contained in Sections 3 and 15 of the Universities (Scotland) Act, 1889, the Royal Technical College, Glasgow (hereinafter called the College), is hereby affiliated to the University of Glasgow (hereinafter called the University).

II. The University Court shall not in virtue of such affiliation be entitled to representation on the Governing Body of the College; and the Governing Body of the College shall not in virtue of such affiliation be entitled to representation on the University Court.

III. The powers of the University Court in relation to the administration and finances of the University, and the powers of the Governors of the College in relation to the administration and finances of the College, shall not in virtue of such affiliation be altered or diminished.

IV. Nothing in this Ordinance shall affect the provisions and requirements laid down in Ordinance No. 134 (Glasgow No. 33—Regulations for Degrees in Science in Agriculture), University Court Ordinance No. VI. (Glasgow No. 2—Regulations for Degrees in Science in Public Health), and University Court Ordinance No. XVI. (Glasgow No. 4—Institution of a Degree in Science in Pharmacy), except in so far as the University Court shall have otherwise determined under the provisions of Section V. subsection (1) of this Ordinance.

V. (1) It shall be competent to the University Court, after receiving from the Senatus a report by the Joint Board of Studies in Applied Science, constituted as hereinafter provided, to approve courses of instruction given during the day-time in the College (hereinafter called approved College courses) as equivalent to courses of instruction given in the University (hereinafter called University courses); and such approved College Courses shall be deemed to be courses taken in the University for the purposes of the Regulations contained in this Ordinance or in Ordinance No. 23, or of such other Regulations for Degrees in Applied Science made in pursuance of this Ordinance or of Ordinance No. 12, Section XIII., as the University Court shall determine.

(2) For the purposes of this Ordinance the words "Applied Science" shall have reference to the subjects included in the curriculum for the Degree of Bachelor of Science in Engineering, and for the Degree of Bachelor of Science in such other branches of Applied Science as the University Court shall have determined under the provisions of the foregoing subsection (1).

VI. (1) The Senatus Academicus of the University of Glasgow, in addition to what is prescribed under Ordinance No. 42, Section II., shall institute a Joint Board of Studies in Applied Science consisting of the Principal of the University, the Director of the College, the University Professors whose subjects qualify for graduation in Applied Science, and the College Professors conducting approved College courses in Applied Science, together with such University Lecturers conducting courses which qualify for graduation in Applied Science, and also such College Lecturers conducting approved College courses in Applied Science and nominated by the Governors of the College, as the Senatus Academicus may from time to time appoint.

(2) The Senatus shall appoint one of the members of the Joint Board of Studies to be Convener thereof.

VII. Section VII. of Ordinance No. 23 shall be altered so as to read as follows :

"(1) It shall be the duty of the Senatus to determine from time to time the number of meetings of which a full course in any subject in Applied Science shall consist, and to report its determination to the University Court for its approval.

(2) The Senatus, with the approval of the University Court, may sanction half courses of not less than half the number of meetings which constitute a full course in the subject; and two half courses shall be held to be equivalent to a full course in such cases as the Senatus, with the approval of the University Court, may determine, and under such regulations as may from time to time be made for that purpose by the same authority.

(3) It shall be the duty of the Professors and the Lecturers conducting courses qualifying for graduation in Applied Science annually before the end of each Winter Session to submit to the Joint Board of Studies in Applied Science a scheme specifying in each case what proportion of the courses it is proposed to devote to lectures, practical demonstrations, examinations, and tutorial work respectively. It shall also be the duty of the said Professors and Lecturers annually at the end of each Winter Session to submit to the said Joint Board of Studies, for its consideration, a syllabus of the subjects and books proposed for the work of their classes during the next academical year.

(4) It shall be the duty of the Joint Board of Studies to consider these schemes and proposals, and any other matters relating to the subjects, extent, duration, hours, arrangement, and standard of the several courses proposed as qualifying for graduation in Applied Science, and to send reports thereon to the Senatus and to the Governors of the Royal Technical College, Glasgow. The Senatus shall transmit such reports, with any observations and recommendations it may think fit to make thereon, to the University Court. It shall be competent to the Governors of the College to communicate to the University Court such observations and recommendations as they may think fit to make on the reports framed by the Joint Board of Studies. The deliverance of the University Court shall be duly intimated to the Senatus and to the Governors of the College."

VIII. (1) In each subject of the examinations for graduation in Applied Science the Examiners shall be the University Professor or Lecturer (if any) conducting the University course in the subject, the College Professor or Lecturer (if any) conducting the approved College course in the subject, and an Additional Examiner appointed by the University Court. The provisions of Section XIX. of Ordinance No. 13 shall not apply to the appointment of such Additional Examiners. The Examiners in each subject shall be jointly responsible to the Senatus for the conduct of the examination in that subject.

(2) The Examiners in the subjects of the First Science Examination shall constitute the Board of Examiners for the First Science Examination, and the Examiners in the subjects of the Final Science Examination shall constitute the Board of Examiners for the Final Science Examination. The Registrar of the University shall summon the members of each Board to its first meeting.

Each Board shall elect its own Convener; it shall receive the reports of the Examiners in each subject of the Examination, and shall determine all questions regarding passes and distinctions; and it shall be responsible for maintaining the general standard of the Examination, and for attesting the results to the Senatus.

(3) It shall be competent to the Board of Examiners for the Degree of Bachelor of Science in Engineering or other branch of Applied Science to report that a successful candidate has passed with special distinction in one or more of the subjects professed by him; and in such a case a diploma shall be given to the candidate setting forth the subjects in respect of which the degree has been granted, and the subject or subjects in which special distinction has been obtained.

IX. Candidates for graduation in Applied Science who attend approved College courses shall be required to pass, or obtain exemption from the Preliminary Examination prescribed under the Ordinances in force for the time being. They shall also be required to matriculate in the University at the beginning of each session in the same manner as candidates who attend University courses, and they shall have the same privileges and be subject to the same discipline and be required to pass the same examinations for graduation as matriculated students who attend University courses.

X. The fees payable for approved College courses by candidates for graduation in Applied Science shall be collected and retained by the Governors of the College, and shall not be less than the fees payable for the University courses in the same or in corresponding subjects. The fees payable by such candidates for courses given in the University, and for matriculation, examination, graduation, and registration, shall be collected and retained by the University Court.

Should inclusive fees for courses of instruction in Applied Science be instituted in the University, the inclusive fees payable at the College shall be of the same amount as those payable at the University: and provision shall be made by agreement between the University Court and the Governors of the College for the adjustment of the inclusive fees payable by candidates for graduation who attend courses both at the University and at the College.

XI. Subject to the conditions laid down in the respective Deeds of Foundation, questions relating to the tenure of bursaries, prizes, scholarships, studentships, and fellowships, tenable in the University by students of Applied Science, shall be decided by the Senatus; but the Senatus shall have power to determine in any particular case that, for the purposes of such tenure, attendance on an approved College course shall be equivalent to attendance on a University course, and that a special course of study or research in the College shall be equivalent to the like course in the University.

XII. Section V. of Ordinance No. 23 is hereby repealed.

XIII. Section XIV. of Ordinance No. 23 shall be altered so as to read as follows:

"It shall be competent to the University Court to modify from time to time the provisions as to curriculum hereinbefore contained, in case such modification shall be rendered desirable by the develop-



ment of Applied Science in relation to Engineering, or by reason of further provision having been made within or without the University for the study of any other special branch of Applied Science: Provided that in no case shall the number of full courses of study required be less than the number required for the degree of Bachelor of Science in Pure Science, as specified in Ordinance No. 12 (General No. 7—Regulations for Degrees in Science)."

XIV. In Ordinance No. 61, after the words "research in the University" shall be inserted the following: "or (in the case of the University of Glasgow) in a College affiliated thereto"; and in Ordinance No. 147, after the words "classes in the University" shall be inserted the following: "or (in the case of the University of Glasgow) on one or more approved courses in a College affiliated thereto."

XV. Until the Joint Board of Studies shall have been duly constituted as hereinbefore provided, it shall be competent to the Senatus to appoint as members thereof, for the purpose of framing reports in pursuance of Section V. of this ordinance, such College Professors and College Lecturers as at the date when this Ordinance comes into operation are Teachers recognised by the University Court for purposes of graduation in Science. The Principal of the University shall convene the first meeting of the Board.

XVI. From and after the date at which this Ordinance comes into operation, the Ordinances cited in the preamble hereof are hereby repealed as regards the University of Glasgow, in so far as they are inconsistent with this Ordinance, and any reference made in existing Ordinances applicable to the University of Glasgow to the said repealed Ordinances shall be deemed to refer to this Ordinance and the corresponding Sections and subsections thereof; provided always that a student who, at the date at which this Ordinance comes into operation, has already commenced his course of study with a view to graduation in Applied Science in the University of Glasgow, or with a view to obtaining the diploma of the College, under the regulations in force at the time in the University or in the College, may complete his course and become a candidate for graduation in Applied Science in conformity with such regulations.

XVII. This Ordinance shall come into operation on the date at which it is approved by His Majesty in Council.

[Approved, 7th March, 1913.]

Subject to any modifications that may hereafter be made.

## University of Glasgow.

SCHEME OF INCLUSIVE FEES applicable to Regular Candidates for Degrees in Arts, Pure Science, or Law, who matriculate for the first time on and after 1st October, 1912; to Regular Candidates for Degrees in Engineering Science who matriculate for the first time on and after 1st October, 1913; and to Regular Candidates for Degrees in Applied Chemistry who matriculate for the first time on and after 1st October, 1915.

### GENERAL REGULATIONS.

1. An inclusive fee for instruction shall be paid in a fixed number of annual instalments by all regular candidates for a degree in a particular faculty. A regular candidate is a candidate who matriculates, pursues his curriculum, and graduates in the usual manner.

2. The inclusive fee shall admit to a stated number of graduating courses (two half-courses counting as one course) and to certain named optional or supplementary non-graduating courses.

\* As to the Graduating Courses, see the Special Regulations and Table A *infra*. As to the Non-graduating Courses, see Table B *infra*.

3. A candidate shall not receive his degree till he has paid the inclusive fee for his curriculum.

4. A candidate who in any year desires to attend one graduating course only may be admitted thereto on payment of the normal fee\* for the course in question; but he shall not in respect of such payment be entitled to attend non-graduating courses in addition.

5. The fee paid by a candidate who in any year is admitted to attendance on a single graduating course only, or by a candidate whose attendance on any course is subsequently allowed to count for graduation, shall be credited to him as part of the inclusive fee to be paid before he receives his degree.

6. A candidate shall not be admitted to a degree examination in any year until he has paid in full the instalment of the inclusive fee payable in respect of that year and of each preceding year of his curriculum.

7. After a candidate has paid all the annual instalments of the inclusive fee, he may in subsequent years attend additional courses without further payment, provided that the total number of courses attended by him does not exceed the stated number to which the fee entitles him.

\* See Table A.

**Subject to any modifications that may hereafter be made.**

8. The fee payable for attendance on any course by non-graduating students, or by graduating students who have already attended the stated number of courses, shall be the normal fee\* for the course.

9. A candidate who has paid one or more of the annual instalments of the inclusive fee at one Scottish University, and completes his curriculum in another, shall be required to pay the remainder of the annual instalments to the latter University, and shall in respect of such payment be entitled to attend such further graduating courses therein as with those already attended in the former University shall make up the stated number: Provided always that the amount of at least one annual instalment shall be paid to the University in which he completes his curriculum, and that before he receives his degree therein he shall present evidence that he has paid in all an amount equal to the inclusive fee.

10. A candidate who presents a certificate that he has paid to a recognised University or Institution, or to a recognised extra-academical teacher, the full fee for attendance on a course of instruction approved as qualifying for graduation, shall be entitled to a deduction from the inclusive fee equal to the amount of the normal fee for the corresponding course given in the University; and the course of instruction so attended shall be counted as one of the stated number of graduating courses to which the inclusive fee admits him.

*SPECIAL REGULATIONS.*

(To be read in connexion with Table A.)

*ARTS.*

11. Ordinary Degree.—The inclusive fee for the Ordinary M.A. Degree is 30 guineas, payable in three annual instalments of 10 guineas.

The inclusive fee admits to 10 graduating courses.

12. Honours Degree.—The inclusive fee for the Honours M.A. Degree is 40 guineas, payable in four annual instalments of 10 guineas.

The inclusive fee admits to 14 graduating courses.

13. A candidate whose attendance on two or more courses in a recognised University (other than Scottish) has been accepted by the Senatus as qualifying for graduation shall be required to pay two of the annual instalments of the inclusive fee, and shall thereby be entitled to attend such further graduating courses as with those already accepted shall make up the stated number.

*PURE SCIENCE.*

14. The inclusive fee for the B.Sc. Degree in Pure Science is 60 guineas, payable in three annual instalments of 20 guineas, or four annual instalments of 15 guineas.

The inclusive fee admits to 16 graduating courses.

*ARTS AND PURE SCIENCE.*

15. The inclusive fee for the degrees of M.A. and B.Sc. taken together is 75 guineas, payable in five annual instalments of 15 guineas.

The inclusive fee admits to 20 graduating courses.

\* See Table A.

**Subject to any modifications that may hereafter be made.**

### LAW.

16. The inclusive fee for the LL.B. Degree is 30 guineas, payable in three annual instalments of 10 guineas. If the Degree of M.A. has already been taken in the University of Glasgow, the inclusive fee is 20 guineas payable in two annual instalments of 10 guineas.

The inclusive fee of 30 guineas admits to 9 graduating courses, and the inclusive fee of 20 guineas admits to 6 graduating courses.

17. The inclusive fee for the B.L. Degree is 22 guineas, payable in one instalment of 8 guineas and two instalments of 7 guineas.

The inclusive fee of 22 guineas admits to 8 graduating courses.

### APPLIED SCIENCE (ENGINEERING OR CHEMISTRY).

18. The inclusive fee for the B.Sc. Degree in Engineering or in Chemistry is 60 guineas, payable in three annual instalments of 20 guineas, or four annual instalments of 15 guineas.

The inclusive fee admits to 16 graduating courses.

19. A candidate who has paid one or more of the annual instalments of the inclusive fee to the University shall be entitled to a voucher admitting him to any of the graduating courses given at the Royal Technical College; and a candidate who has paid one or more of the annual instalments of the inclusive fee to the Royal Technical College shall be entitled to a voucher admitting him to any of the graduating courses given at the University; provided always that the total number of graduating courses attended by him at the University and at the College shall together not exceed the stated number to which the inclusive fee admits him.

### TABLE A.—GRADUATING COURSES.

Table of Graduating Courses, showing (1) whether the course is reckoned as a Whole Course or as a Half Course for the purpose of these Regulations, and (2) the Normal Fee payable under Regulation 4 or Regulation 8.

\* \* The phrases "Whole Course" and "Half Course" as here used are to be read solely in connexion with the Inclusive Fee Regulations. Any two Half Courses may be counted as equivalent to one Whole Course.

GRADUATING COURSES.	Whole Course or Half Course (1 or $\frac{1}{2}$ ).	Normal Fee in Guineas.
Latin, Ordinary, . . . . .	1	4
Intermediate (Higher) or Roman History, Honours, . . . . .	1	4
Greek, Ordinary, . . . . .	1	4
Intermediate (Higher) or Greek History, or Hellenistic Greek, . . . . .	1	4
Honours, . . . . .	1	4

Subject to any modifications that may hereafter be made.

GRADUATING COURSES.	Whole Course or Half Course (1 or $\frac{1}{2}$ ).	Normal Fee in Guineas.
English, Ordinary, . . . . .	1	4
Intermediate, . . . . .	1	4
Honours (Lit. and Lang.), . . . . .	1	4
English Language, . . . . .	$\frac{1}{2}$	2
British History, Honours, . . . . .	1	4
French, Ordinary, . . . . .	1	4
Intermediate (Higher), . . . . .	1	4
Honours, . . . . .	1	4
German, Ordinary, . . . . .	1	4
Intermediate (Higher), . . . . .	1	4
Honours, . . . . .	1	4
English Language, Honours or Higher Ord.,	1	4
Italian, Ordinary, . . . . .	1	4
Higher, . . . . .	1	4
Honours, . . . . .	1	4
„ for English, . . . . .	1	4
Hebrew, Ordinary (Senior Class), . . . . .	1	4
Higher, . . . . .	1	4
Honours (Two [or Three] Terms), . . . . .	1	4
Arabic, Half Course (Ordinary or Inter- mediate or Honours), . . . . .	$\frac{1}{2}$	2
Celtic, Ordinary, . . . . .	1	4
Intermediate (Higher), . . . . .	1	4
Honours, . . . . .	1	4
Logic and Metaphysics, Ordinary, . . . . .	1	4
Higher Ordinary, . . . . .	1	4
Honours, . . . . .	1	4
Experimental Psychology, . . . . .	1	4
Moral Philosophy, Ordinary, . . . . .	1	4
Intermediate (Higher), . . . . .	1	4
Honours, . . . . .	1	4
Political Economy, Ordinary, . . . . .	1	4
Honours, . . . . .	1	4
Political Philosophy and Social Economics, Education, . . . . .	1	5
History, Ordinary, . . . . .	1	4
Higher Ordinary, . . . . .	1	4
Honours, . . . . .	1	4
Ecclesiastical (Senior Class), . . . . .	1	4
Constitutional Law and History, Ordinary, . . . . .	1	4
Higher, . . . . .	1	4
Honours, . . . . .	1	4
Roman or Civil Law, . . . . .	1	4
Scottish History and Literature, Ordinary, . . . . .	1	4
Higher Ordinary, . . . . .	1	4
Honours, . . . . .	1	4

Subject to any modifications that may hereafter be made.

GRADUATING COURSES.	Whole Course or Half Course (1 or $\frac{1}{2}$ ).	Normal Fee in Guineas.
Mathematics, Ordinary, . . . . .	1	4
Higher Ordinary, . . . . .	1	4
Mathematics, Honours (Intermediate), . .	1	4
Honours (Advanced), . . . . .	1	4
First Course for Engineers, . . . . .	1	4
Second Course for Engineers, . . . . .	1	4
Natural Philosophy, Ordinary, . . . . .	1	4
Higher Class C, . . . . .	1	4
Higher Class A, . . . . .	1	4
Higher Class B (for Engineers), . . . .	1	4
Physical Laboratory (10 hours weekly)—One Term, . . . . .	1	4
Physical Laboratory (6 hours weekly)—One Term, . . . . .	$\frac{1}{2}$	3
Electricity, Pure and Applied, . . . . .	1	3
Astronomy, Class A, . . . . .	$\frac{1}{2}$	2
Class B, . . . . .	$\frac{1}{2}$	2
Geography, . . . . .	1	4
Advanced, . . . . .	1	4
Geology, Part I. (For Arts or Pure Science),	1	5
Part II. (For Pure Science), . . . . .	1	5
Part I. with Practical (For Mining), . .	1	5
Part II. (For Mining), . . . . .	1	2
(For Engineering or Applied Chemistry),	1	4
Engineering I. and III. (for Applied Chemistry),	1 or $\frac{1}{2}$	4 or 2
Engineering, Class I., . . . . .	$\frac{1}{2}$	2
Class II., . . . . .	$\frac{1}{2}$	2
Class III., . . . . .	$\frac{1}{2}$	2
Class IV., . . . . .	1	4
Drawing and Design (First Session), . .	1	4
Drawing and Design (Second Session),	1	3
Laboratory (First Session), . . . . .	1	10
Laboratory (Second Session), . . . . .	1	5
Laboratory, Special (Mechanical or Electrical), . . . . .	1	3
Electrical Engineering, Class I., . . . .	$\frac{1}{2}$	2
Class II., . . . . .	$\frac{1}{2}$	2
Mining, Class I., . . . . .	$\frac{1}{2}$	2
Class II., . . . . .	$\frac{1}{2}$	2
Class III., . . . . .	$\frac{1}{2}$	1
Class IV. (Practical), . . . . .	$\frac{1}{2}$	1
Naval Architecture Lectures, Junior, . .	1	3
Lectures, Senior, . . . . .	1	3
Drawing, Junior, . . . . .	1	3
Drawing, Senior, . . . . .	1	3

Subject to any modifications that may hereafter be made.

GRADUATING COURSES.	Whole Course or Half Course (1 or $\frac{1}{2}$ ).	Normal Fee in Guineas.
Chemistry (For Arts and Pure Science), . .	1	4
(For Applied Chemistry, Engineering, Mining, or Naval Arch.), . . . . .	1	4
Chemistry, Laboratory (Elementary or Ad- vanced)—One Term, or Equivalent Attendance during Two Terms, . .	1	5
Organic Chemistry, . . . . .	$\frac{1}{2}$	3
Physical Chemistry, . . . . .	$\frac{1}{2}$	3
Inorganic Chemistry (Subsidiary), . .	$\frac{1}{2}$	3
(Advanced), . . . . .	$\frac{1}{2}$	3
Metallurgical Chemistry, Class A, . .	$\frac{1}{2}$	2
Class B, . . . . .	$\frac{1}{2}$	2
Laboratory—Winter or Summer, . .	1	5
Botany—First Half Course (with Laboratory), .	1	4
Second Half Course (with Laboratory), .	1	3
Botany—Advanced—Winter or Summer, .	1	3
Laboratory, Advanced—Winter or Summer, . . . . .	1	3
Zoology, . . . . .	1	4
Laboratory, . . . . .	1	3
Spring Course or Summer Course, . .	1	3
Anatomy, First Course, . . . . .	1	2
Second Course, . . . . .	1	2
Practical—One Term, . . . . .	1	3
Physical Anthropology, . . . . .	$\frac{1}{2}$	1
Embryology, . . . . .	1	2
Laboratory—Winter or Summer, . .	1	3
Physiology, . . . . .	1	4
Practical (Histology)—Elem. or Adv., .	$\frac{1}{2}$	} Elem. 4 Adv. 2 for each term.
Practical (General)—Elem. or Adv., .	$\frac{1}{2}$	
Practical (Chemical)—Elem. or Adv., .	$\frac{1}{2}$	
Psychology, . . . . .	1	
Scots Law, . . . . .	1	4
Conveyancing, . . . . .	1	4
Civil or Roman Law, . . . . .	1	4
Constitutional Law and History, . .	1	4
Political Economy, . . . . .	1	4
Mercantile Law, . . . . .	1	4
Public International Law, . . . . .	1	3
International Private Law, . . . . .	1	3
Jurisprudence, . . . . .	1	3
Forensic Medicine, . . . . .	1	4
Evidence and Procedure, . . . . .	1	3

**Subject to any modifications that may hereafter be made.**

**TABLE B.—NON-GRADUATING COURSES.**

Students who have obtained a Class Ticket for a Graduating Course in any of the Subjects named in the right-hand column will be admitted to the course named opposite to it in the left-hand column. The number of courses to which a student may seek admission under this rule, in addition to the full complement of graduating courses attached to his Inclusive Fee, must not exceed three.

TITLE OF COURSE.	SUBJECTS.
Latin Prose, . . . . .	Latin.
Roman Britain, . . . . .	Latin.
Greek Prose, . . . . .	Greek.
French, Ordinary—Lang. or Lit. Section alone, . . . . .	French.
German, Ordinary—Lang. or Lit. Section alone, . . . . .	German.
Italian, Ordinary—Lang. or Lit. Section alone, . . . . .	Italian.
Italian, Elementary, . . . . .	Latin or Greek or French or German.
Arabic, Elementary, . . . . .	Hebrew.*
Syriac, . . . . .	Hebrew.*
Comparative Semitic Philology and Aramaic, . . . . .	Hebrew.
Psychology, Advanced, . . . . .	Experimental Psychology.
Political Philosophy— <i>Honours Students only</i> , . . . . .	Moral Phil. or Polit. Econ. or History.
Social Economics— <i>Honours Students only</i> , . . . . .	Moral Phil. or Polit. Econ. or History.
Economic History, . . . . .	Political Economy or History.
Practical Geology, . . . . .	Geology, Part I. or Part II.
Metallography, . . . . .	Metallurgical Chemistry.
Radio-activity, . . . . .	Physical Chemistry.*
Physiological Chemistry (Grieve Lecture-ship), . . . . .	Adv. Pract. Physiology.*

\* In each of these four cases students are at liberty to attend concurrently the course named in the left-hand column.



## LIST OF MEMBERS

OF THE

GENERAL COUNCIL OF THE UNIVERSITY OF GLASGOW

*FOR THE YEAR COMMENCING 1st JANUARY, 1915\**

"4 Sessions" implies that the Member has been admitted under either Act 21 and 22 Vict., cap. 83, § 6, or Act 31 and 32 Vict., cap. 48, § 28.

Copies of the Register, containing the designations, addresses, etc., of Members of the Council, may be had from the Registrar, price 6d. each, or post free 10d.

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\* By the provisions of the Elections and Registration Act, 1915, the reprinting of the General Council Register at the close of that year was suspended. The list of members will be found in the *University Calendar*, 1915-16.

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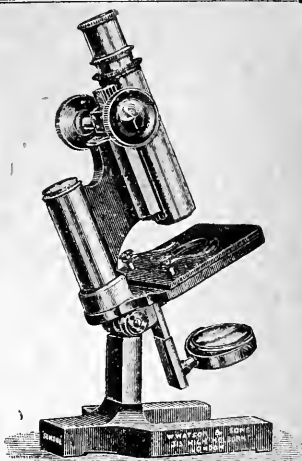
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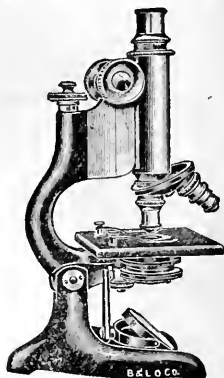
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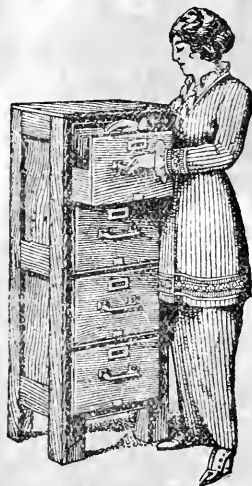
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